British Approved Names 2017

British Pharmacopoeia Commission

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1 Appointed from 1 January 2016.
2 Retired, 31 December 2015.
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The duties of the members are as follows:

(a) to collaborate in the preparation and revision of Monographs, Appendices and Supplementary Chapters for inclusion in the British Pharmacopoeia and British Pharmacopoeia (Veterinary).

(b) to collaborate in the preparation and revision of Monographs, Methods and General Chapters of the European Pharmacopoeia.

(c) to review reports from the British Pharmacopoeia Laboratory in terms of technical content and, where possible, provide independent experimental data to assist in decision making;

(d) to collaborate in the preparation and revision of the list of names to be used as titles for monographs of the British Pharmacopoeia and British Pharmacopoeia (Veterinary).

Members of Expert Advisory Groups, Panels of Experts and Working Parties are usually appointed for a (renewable) term of 4 years.
Code of Practice


**British Pharmacopoeia Commission**

The Chair and members of the British Pharmacopoeia Commission are required to make a full declaration of interests on appointment and annually thereafter. They must also inform the BP Secretariat promptly of any changes to these interests during the year. These interests are published in the Medicines Advisory Bodies Annual Reports.

Relevant interests must be declared at meetings and are recorded in the Minutes.

**Expert Advisory Groups, Panels of Experts and Working Parties**

Chairs and members are required to make a full declaration of interests on appointment and to update the Secretariat if these interests change during their term of office. A record is kept of those experts who have declared specific interests, but these are not published.

Relevant interests must be declared at meetings and are recorded in the Minutes.
Introduction

The British Approved Names 2017 is a British Pharmacopoeia publication. This new edition consolidates the drug names published in the British Approved Names 2012 with names published in its four Supplements, together with recommended International Nonproprietary Names (rINNs) adopted as new British Approved Names. These new names have been included either because marketing authorisations have been granted for the UK or because they are the subject of European Pharmacopoeia monographs that will be included in future editions of the British Pharmacopoeia.

ADDITIONS
New names
111 names published in Supplements 1 to 4 to the British Approved Names 2012 have been consolidated in this publication. 29 rINNs adopted as BANs are new to this edition. A list of names newly introduced in this edition follows this Introduction.

Appendices
Appendix D: Differences between British Approved Names (BANs) and other national approved names for pharmaceutical substances is new to this edition. It is provided as a helpful guide to users of the BAN 2017. The list detailing the differences between BANs and other national names is not exhaustive. Users are asked to refer to the relevant national names publications and associated websites for definitive national names for the pharmaceutical substances listed.

Appendix XXI B: Approved Synonyms published in the BP 2017 is reproduced in the BAN 2017 for the convenience of users.

REVISIONS
Action and use statements listed for anticancer drugs and radiopharmaceutical substances in the BAN 2012 have been reviewed. In this edition, those listed for anticancer drugs are consistent and clearly show the use; more detailed information has been provided for radiopharmaceutical substances.

Statements under ‘Action and use’ aim to achieve consistency within each class of substance based on the information available at the time of publication of the name as a British Approved Name. The action and use statements included in this edition are intended neither to be binding for prescribers nor to limit their discretion on deciding which treatments best meet the clinical needs of a patient under their care.

Appendix A This has been amended to reflect ‘Recommendations and Preferred IUPAC Names 2013’.

BIOLOGICAL AND BIOTECHNOLOGICAL SUBSTANCES

There continues to be an increase in the number of new biological and biotechnological substances for pharmaceutical use. The World Health Organization (WHO) INN programme has published a publicly available document detailing extensive information on schemes for naming biological and biotechnological substance (http://www.who.int/medicines/services/inn/inn_bio/en/). The schemes will be applied if and when British Approved Names are assigned to biological and biotechnological...
substances for pharmaceutical use. Greek letters, spelt in full, in WHO published documents and in this publication have been used to denote differences in glycosylation patterns, for example epoetin alfa and epoetin beta. The WHO Expert Committee on Biological Standardization (ECBS) is responsible for adopting names for natural human blood products or vaccines.

Acknowledgements
The British Pharmacopoeia Commission wishes to record its appreciation of the scientific advice received from members of its Expert Advisory Group on Nomenclature.

The British Pharmacopoeia Commission also wishes to record its appreciation of the contributions made by Dr Roger Pickett, a member of the BP Commission Panel RAD: Radioactive Materials, in reviewing the action and use statements of radiopharmaceutical substances included in this edition. Particular appreciation is also recorded for the information shared by national nomenclatural bodies and pharmacopoeial authorities, which has enabled the production of Appendix D detailing differences between British Approved Names (BANs) and United States Adopted Names (USANs) and Japanese Accepted Names (JANs). The user is also provided with information to access Australian Approved Names (AANs).

NEW ADDITIONS

Afamelanotide Afatinib Aflibercept Albiglutide
Alogliptin Apixaban Apremilast Aprepitant
Avanafil Avibactam Axitinib Azilsartan
Azilsartan Medoxomil Bazedoxifene Bedaquiline Belimumab
Bevacizumab Boceprevir Bosutinib Brentuximab Vedotin
Bromfenac Cabazitaxel Cabozantinib Canagliflozin
Catridecagog Catumaxomab Ceftobiprole Medocaril Clopidogrel
Cetuximab Ciclesonide Clevidipine Conestat Alfa
Cobicistat Colchicine Colestilan Crizotinib
Crizotinib Daclatasvir Dapagliflozin Diflouxacin
Dasabuvir Delamanid Diacerein Elosulfase Alfa
Dolutegravir Dulaglutide Eligastat Enalaprilat
Elvitegravir Empagliflozin Entecavir Enzalutamide
Emtricitabine Eribulin Erythritol Ferumoxytol
Fidaxomicin Flingolimod Florbetaben (18F) Florbetapir (18F)
Fludeoxyglucose Flutmachelum Gadobutrol Gimeracil
Human Fibrinogen Human Prothrombin Complex Ibrutinib
Idelalisib Ingenol Mebutate Insulin Degludec Ipilimumab
Iron Isomaltoside Ivacaftor Linaclotide Linagliptin
Lipegiflagrastim Lisdexametamine Lomitapide Lubiprostone
Lurasidone Macitentan Meldonium Mertiatide
Mipomersen Mirabegron Naloxegol Nintedanib
Nonacog Gamma Ocriplasmin Olaparib Olodaterol
Ombitasvir Omega-3 Acid Ethyl Esters Oritavancin
Oteracil Paliperidone Paritaprevir Pasireotide
 Peginterferon Beta 1a Pegloticase Perampanel Pirfenidone
Pomalidomide Ponatinib Pullulan Ramucirumab
Rasagiline Regorafenib Retigabine Rilpivirine
Riociguat Rivastigmine Roflumilast Rupatadine
Ruxolitinib Safinamide Secukinumab Siltuximab
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<td>Vorapaxar</td>
<td>Vortioxetine</td>
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General Notices

British Approved Names

British Approved Names are devised or selected by the British Pharmacopoeia Commission and published by the Health Ministers on the recommendation of the British Pharmacopoeia Commission to provide a list of names of substances or articles referred to in section 100 of the Medicines Act 1968. British Approved Names are short, distinctive names, selected in accordance with the Guiding Principles shown on page xvi for substances the systematic chemical or other scientific names of which are too complex for convenient general use.

If any substance or article to which section 99 of the Act applies becomes the subject of a monograph in the British Pharmacopoeia or other compendium prepared under that section, the British Approved Name (BAN) of that substance should be suitable for placing at the head of the monograph. The issue of a British Approved Name does not imply that the substance or article will necessarily be included in the British Pharmacopoeia or other compendium or that the British Pharmacopoeia Commission is prepared to recommend the use of the substance or article in medicine.

Recommended International Nonproprietary Names

Unless otherwise indicated each name defined in this edition is the English language form of a recommended International Nonproprietary Name (rINN). In cases where no rINN exists, ‘(BAN)’ has been added to follow the name in question.

British Approved Names (Modified)

British Approved Names (Modified), developed as described below, have the same status under the Medicines Act 1968 as the British Approved Names from which they are derived.

Salts

When a British Approved Name exists for an acid or base, the name of the corresponding salt should be formed by following normal chemical practice whenever possible; the resulting name is known as a British Approved Name (Modified) (BANM).

When naming the salt of an acid, the British Approved Name of which ends in -ic acid, the name of the anion is formed by changing -ic acid to -ate; the name is preceded by that of the cation, eg valproic acid giving sodium valproate. When naming the salts of other acids, the name of the anion is identical to that of the acid and is followed by the name of the cation, eg ampicillin giving ampicillin sodium.

For the salts of bases, the British Approved Name of the base is followed by the conventional anion name, eg acebutolol giving acebutolol hydrochloride. The British Approved Name of a quaternary salt includes the anion and may be modified by substitution of a different anion.
Modification of names following normal chemical practice has traditionally been employed to provide names for esters of steroid alcohols, e.g., betamethasone valerate. In other esters, the names adopted will depend upon whether the biological activity lies in the acid or alcohol or within the ester itself and on whether a British Approved Name exists for the acid or alcohol in question. For further recommendations on the formation of British Approved Names (Modified), see Guiding Principles B2 and B3.

Each British Approved Name, except for abandoned or discontinued substances, is provided with an indication of its pronunciation given in phonetic terms defined below.

A nonproprietary name for a medicinal product combines the British Approved Name of the substance with an appropriate term drawn from the relevant general monograph of the British Pharmacopoeia and, in the majority of cases, are the Standard Terms as published by the Council of Europe (see British Pharmacopoeia 2017, Supplementary Chapter II B).

Where the substance name is a British Approved Name (Modified), the modifying term is omitted from the nonproprietary name of the product unless two or more formulations containing different forms of the basic substance exist. In such cases the modifying term is retained. Tablets of trihexyphenidyl hydrochloride, for example, are known simply as trihexyphenidyl tablets, since tablets containing trihexyphenidyl are formulated only with its hydrochloride salt. Promethazine, however, is formulated as tablets containing either the hydrochloride or the teoclate salts and the nonproprietary names of the two tablet forms are promethazine hydrochloride tablets and promethazine teoclate tablets respectively.

Each British Approved Name entry includes (1) a systematic chemical name in accordance with the rules of the International Union of Pure and Applied Chemistry (IUPAC) or (2) a brief statement of its biological, biotechnological or botanical source. However, certain concessions to long-established nomenclature terminology in pharmaceutical chemistry are made, details of which are in Appendix A.

The structures of a large proportion of the substances defined contain one or more chiral centres. The British Approved Name applies only to the specific isomer or racemate indicated by the systematic chemical name, e.g., laropiprant refers only to the (R)-isomer of \{4-[(4-chlorophenyl)methyl]-7-fluoro-5-(methanesulfonyl)-1,2,3,4-tetrahydrocyclopenta[b]indol-3-yl\}acetic acid.

Many of the substances defined in this edition exist as a mixture of two enantiomeric forms or as a mixture of four or more stereoisomers. In drawing the structures of single chiral centre molecules, a convention has been adopted whereby the ‘R’ isomer has been drawn and the words and enantiomer added beneath. When a molecule contains two or more chiral centres, each centre has been identified by an asterisk (*) and the words, for example, mixture of 4 stereoisomers added beneath. In some cases a polychiral substance may exist as a pair of stereoisomers, in which case the site of epimerisation is marked with an asterisk (*) and the words and epimer at C* added beneath.
To promote clarity in the structural formulae the following abbreviations are frequently used:

Me: –CH₃  
Et: –CH₂CH₃  
Prᵢ: –CH(CH₃)₂  
Buᵢ: –CH₂CH(CH₃)₂  
Ph: –C₆H₅

Buˢ: –CH(CH₃)CH₂CH₃  
Buⁿ: –CH₂CH₂CH₂CH₃  
Buᵗ: –C(CH₃)₃  
Ac: –COCH₃

The 1-letter and 3-letter codes for amino acids that constitute peptide and polypeptide chains are defined in Appendix A, section F1.

Appendix A: Structures gives the basic skeletal structures of some important groups of substances of natural origin, such as steroids, cephalosporins, penicillins, prostaglandins and opioids, showing the numbering system and the normal stereochemistry of each group. It provides the systematic chemical names of certain key substances, such as penicillanic acid and prostanoic acid, which have been used as convenient and familiar bases of chemical definitions.

Chemical Abstracts Service Registry Numbers

Chemical Abstracts Service (CAS) Registry Numbers corresponding to almost every British Approved Name are included in order to provide easy access to scientific literature on any particular substance through computer databases. They are printed in *italic type*.

Code Designations

Laboratory codes are often used to identify substances during the period of investigation and may appear in the scientific literature. Such codes, when known, are included to facilitate relating a substance described by a code to a British Approved Name subsequently assigned to it.

Synonyms

Other nonproprietary names by which a substance has previously been known may be given.

Discontinued Substances and Products

British Approved Names for substances that have either been abandoned during development or are no longer commercially available in the UK are listed in Appendix C.

Action and Use

The statements in italics indicating the action and/or use are based largely on information supplied by the manufacturer and are expressed, wherever possible, in terms of the therapeutic classification used in the *British National Formulary*. The British Pharmacopoeia Commission is not in a position to comment on the efficacy of the substance for the action claimed.
Guiding Principles

When a recommended International Nonproprietary Name is published, it will be adopted as the BAN. When no INN exists the guiding principles given below should be used in devising or selecting new BANs.

A1 Names should be distinctive in sound and spelling. They should not be inconveniently long and should not be liable to confusion with names in common use. They should be free from conflict with trade marks and from misleading connotations.

A2 The name for a substance belonging to a group of therapeutically or pharmacologically related substances should, when appropriate, show this relationship. Names that are likely to cause alarm or expectations in patients through an anatomical, physiological, pathological or therapeutic suggestion should be avoided.

These primary principles are implemented by using the following secondary principles:

B1 In devising the name of the first substance in a new pharmacological group, consideration should first be given to the opportunity for devising further suitable names for related substances belonging to the new group by means of a common stem (see Guiding Principle B7).

B2 In devising names for therapeutically active acids, one-word names are preferred; their salts should be named without modifying the acid name, eg fenoprofen and fenoprofen calcium, naproxen and naproxen sodium.

B3 Names for substances that are used as salts should in general apply to the active base or the active acid. Names for different salts of the same active substance should differ only in respect of the name of the inactive counter-ion. For quaternary ammonium substances, the cation and anion should be named as separate components.

B4 The use of an isolated letter or number should be avoided; hyphenated construction is also undesirable, except in the prefix co- used in British Approved Names for combinations of substances (eg co-trimoxazole).

B5 To facilitate the acceptance and pronunciation of British Approved Names in other countries, f should normally be used instead of ph, t instead of th, i instead of y; names beginning with h and k should be avoided.

B6 Provided that the names suggested are in accordance with these principles, names proposed by the company discovering or first developing and marketing a pharmaceutical preparation should receive preferential consideration.

B7 Group relationships in British Approved Names (see Guiding Principle A2) should, if possible, be shown by using a common stem. The stem should only be used for substances of the appropriate group. The following list contains examples of stems for groups of substances. Where a stem is shown without any hyphens it may be used anywhere in the name.
A full list of common stems is contained in documents available from the World Health Organization.

http://www.who.int/medicines/services/inn/StemBook

**Examples:**
- **-astine** antihistamines, not otherwise classifiable
- **-azocine** narcotic antagonists/agonists related to 6,7-benzomorphan
- **-buzone** anti-inflammatory analgesics, phenylbutazone derivatives
- **-cain-** anti-arrhythmic agents with local anaesthetic activity
- **-caine** local anaesthetics
- **-cef-** antibiotics, derivatives of cephalosporanic acid
- **-cillin** antibiotics, derivatives of 6-aminopenicillanic acid
- **-coxib** selective cyclo-oxygenase inhibitors
- **-dipine** calcium channel blockers, nifedipine derivatives
- **-denoson** adenosine A receptor agonists
- **-exine** mucolytic, bromhexine derivatives
- **-formin** antihyperglycaemics, phenformin derivatives
- **-floxacin** fluorine-containing antibacterial agents of the quinolone group
- **-gest** steroids, progestogens
- **-gli-** sulfonylurea hypoglycaemics
- **-grel-/grel** platelet aggregation inhibitors
- **-io-** iodine-containing contrast media
- **-mab** monoclonal antibodies:
- **-mycin** antibiotics produced by *Streptomyces* strains
- **-nercept** tumour necrosis factor antagonists
- **-nidazole** antiprotozoal substances of the metronidazole group
- **-olol** beta adrenoceptor antagonists
- **-oxacin** antibacterial agents of the quinolone group
- **-pafant** platelet-activating factor antagonists
- **-poetin** erythropoietin analogues
- **-parib** poly-ADP-Ribose polymerase inhibitors
- **-perone** tranquillizers, neuroleptics, 4’-fluoro-4-piperidinobutyrophenone derivatives
- **-racetam** amide type nootrope agents, piracetam derivatives
- **-relin** hypophyseal hormone release-stimulating peptides
- **-rsen** antisense oligonucleotide
- **-sartan** angiotensin II receptor antagonists, antihypertensive (non-petidic)
- **-setron** serotonin (5HT₃) receptor antagonists
- **-stat** enzyme inhibitors
- **-tidine** histamine H₂ receptor antagonists of the cimetidine group
-triptan  serotonin (5HT_{1D}) receptor agonists

-vaptan  vasopressin receptor antagonists

-verine  spasmolytics with a papaverine-like action

-vir    antivirals

-xaban  blood coagulation factor X\textsubscript{A} inhibitors, antithrombotics

-zotan  serotonin (5HT_{1A}) receptor agonists
Key to Pronunciation

1. Consonants are given their usual values with the following restrictions:
   
g  as in good
h  as in hard except in the following combinations:
   ch as in child
   th as in thick
j  as in job

2. Vowels are given their usual short values with the exception of the following:
   ä  as in tame  ö   as in no
   á  as in malt  òl  as in hole
   ar as in far  oo  as in moon
   ë  as in seen  or  as in more
   er as in herd  ú   as in full
   eer as in beer  ü   as in cute
   í  as in site  ûr  as in pure
   ír as in fire

3. Stressed syllables are in italics.

Symbols and Abbreviations

- Subject of a monograph in the British or European Pharmacopoeias
• Subject of a monograph in the British Pharmacopoeia (Veterinary)
BAN  British Approved Name
BANM British Approved Name (Modified)
BSI  British Standards Institution Common Name
ISO  International Standards Organization Common Name
pINN Proposed International Nonproprietary Name
rINN Recommended International Nonproprietary Name
INNM International Nonproprietary Name (Modified)
USAN United States Adopted Name
Guide to Using the BAN 2017

Both names are used for labelling of products in the UK

Subject of a British or European Pharmacopoeia monograph

Adrenaline/Epinephrine (BAN/rINN) a·dren·a·lë·në pë·nëfrën
(R)-1-(3,4-Dihydroxyphenyl)-2-methylaminoethanol;
C₉H₁₃NO₃; 51-43-4

Adrenaline Acid Tartrate/Epinephrine Acid Tartrate
epinephrine bitartrate (USP); 51-42-3
Adrenoceptor agonist

Graphic formula

Adrenaline Acid Tartrate/Epinephrine Acid Tartrate
epinephrine bitartrate (USP); 51-42-3
Adrenoceptor agonist

Modified INN (rINNM)

Molecular formula

Alfaxalone (rINN) al·faks·a·lën
3α-Hydroxy-5α-pregnane-11,20-dione; C₂₁H₃₂O₃; 23930-19-0
Intravenous general anaesthetic (veterinary)

Cross reference to Appendix C: indicating the substance is no longer actively marketed

Subject of a British or European Pharmacopoeia (Veterinary) monograph

Alletorphine see Appendix C

Both names are used for labelling of products in the UK

Subject of a British or European Pharmacopoeia monograph
Amikacin (rINN) a·mi·kä·sin
6-O-(3-Amino-3-deoxy-α-D-glucopyranosyl)-4-O-(6-amino-6-deoxy-α-D-glucopyranosyl-N1-[(2S)-4-amino-2-hydroxybutyryl]-2-deoxy-β-D-streptamine; C22H43N5O13; 37517-28-5

Amikacin Sulfate 39831-55-5
Aminoglycoside antibacterial

Apomorphine (BAN) ä·pö·mor·fen
6αβ-Aporphine-10,11-diol; C17H17NO2; 58-00-4

Apomorphine Hydrochloride
314-19-2 (anhydrous); 41372-20-7 (hemihydrate)
Dopamine receptor agonist; treatment of Parkinson’s disease
British Approved Names

Abacavir (rINN) a·ba·ka·veer
{(1S,4R)-4-[2-Amino-6-(cyclopropylamino)-9H-purin-9-yl)cyclopent-2-enyl]methanol; C_{14}H_{18}N_{6}O; 168146-84-7; 1592U89
• Abacavir Sulfate 188062-50-2
Nucleoside reverse transcriptase inhibitor; antiviral (HIV)

Abafungin (rINN) a·ba·fun·gin
Hexahydropyrimidin-2-ylidene{4-[2-(2,4-xylyloxy)phenyl]-1,3-thiazol-2-y1}amine; C_{21}H_{22}N_{4}OS; 129639-79-8; Bay w 6341
Antifungal

Abanoquil (rINN) a·ba·nö·kwil
6,7-Dimethoxy-2-(1,2,3,4-tetrahydro-6,7-dimethoxyisoquinolin-2-yl)quinolin-4-ylamine; C_{22}H_{25}N_{3}O_{4}; 90402-40-7
Abanoquil Mesilate 118931-00-3; UK-52,046-27
Alpha{	extsubscript{1}}-adrenoceptor antagonist

Abatacept (rINN) a·ba·tá·sept
1-25-Oncostatin M (human precursor) fusion protein with CTLA-4 (antigen) (human) fusion protein with immunoglobulin G1 (human heavy chain fragment), bimolecular (146®146')-disulfide; 332348-12-6
Human tumour necrosis factor receptor fusion protein; treatment of rheumatoid arthritis

Abciximab (rINN) ab·siks·i·mab
Immunoglobulin G (human-mouse monoclonal c7E3 clone p7E3V_{ab}C_{4} Fab fragment anti-human platelet glycoprotein IIb/IIIa complex), disulfide with human-mouse monoclonal c7E3 clone p7E3V_{ab}C_{4} light chain; 143653-53-6; c7E3
Monoclonal antibody (platelet glycoprotein IIb/IIIa receptors); antithrombotic

Abiraterone (rINN) a·bi·ra·te·rön
17-(3-Pyridyl)androsta-5,16-dien-3β-ol; C_{24}H_{31}NO; 154229-19-3; CB 7598
Abiraterone Acetate CB 7630
Inhibitor of the 17-hydroxylase/C17-20 lyase enzyme complex; treatment of prostate carcinoma

Acadesine (rINN) a·ka·de·sën
5-Amino-1-(β-D-ribofuranosyl)imidazole-4-carboxamide; C_{9}H_{14}N_{4}O_{5}; 2627-69-2; GP-1-110-0
Purine nucleoside analogue; inhibitor of platelet aggregation
Acamprosate (rINN) a·kam·prö·sät 3-Acetamidopropane-1-sulfonic acid; C₅H₁₁NO₄S; 77337-76-9

Acamprosate Calcium 77337-73-6 Treatment of alcoholism

Acarbose (rINN) a·kar·bös O-[4-Amino-4,6-dideoxy-α-D-glucopyranosyl-(1→4)-O-α-D-glucopyranosyl-(1→4)-D-glucopyranose; C₂₅H₄₃NO₁₈; 56180-94-0

Alpha-glucosidase inhibitor; treatment of diabetes mellitus

Acerbutolol (rINN) a·së·bü·to·lol (2RS)-3′-Acetyl-4′-(2-hydroxy-3-isopropylaminopropoxy) -butyranilide; C₁₈H₂₈N₂O₄; 37517-30-9

Acebutolol Hydrochloride 34381-68-5 Beta-adrenoceptor antagonist

Aceclofenac (rINN) a·së·klö·fe·nak [2-(2,6-Dichloroanilino)phenyl]acetoxyacetic acid; C₁₆H₁₃Cl₂NO₄; 89796-99-6

Cyclooxygenase inhibitor; analgesic; anti-inflammatory

Aceclofenac see Acefluranol

Acefluranol (rINN) a·së·flû·ra·nol

(1) (1RS,2SR)-4,4′-Diacetoxy-3,5′-difluoro-(1-ethyl-2-methylene)di-n-phenylene diacetate; (2) (αRSα ′SR)-α-Ethyl-5,5′-difluoro-α′-methylbenzyl-3,3′,4,4′-tetratetra-acetate; C₁₉H₁₉F₄O₈; 80595-73-9; BX 591

Antiestrogen

Acefylline Piperazine (rINN) a·së·fi·lën pi·pe·ra·zën

Piperazine bis(theophyllin-7-ylacetate); (C₉H₂₀N₂O₄)x; C₂₁H₁₈N₄O₂; 18428-63-2

Non-selective phosphodiesterase inhibitor; treatment of reversible airways obstruction

Acefylline see Acefylline Piperazine

The symbol ‘Ø’ in systematic chemical names signifies line continuation

Acefluranol see Acefluranol
Acepromazine (rINN) a·sē prō·ma·zēn
10-(3-Dimethylaminopropyl)phenothiazin-2-yl methyl ketone; C₁₀H₁₅N₂O₂S; 61-00-7

- **Acepromazine Maleate** 3598-37-6
  Dopamine receptor antagonist; antipsychotic (veterinary)

\[
\begin{align*}
\text{N} & \quad \text{Me}_2
\end{align*}
\]

Acesulfame (rINN) a·sē·sul·fäm
6-Methyl-1,2,3-oxathiazin-4(3H)-one 2,2-dioxide; C₄H₅NO₄S; 33665-90-6

- **Acesulfame Potassium** 55589-62-3; HOE 095K; H73 3293
  Sweetening agent

Acetarsol (rINN) see Appendix C

- **Acetazolamide** (rINN) a·sē·ta·zo·lā·mïd
  N-(5-Sulfamoyl-1,3,4-thiadiazol-2-yl)acetamide; C₄H₆N₄O₃S₂; 59-66-5
  Carbonic anhydrase inhibitor; diuretic; treatment of glaucoma, ocular hypertension, mountain sickness

\[
\begin{align*}
\text{O} & \quad \text{N} & \quad \text{SO}_2 & \quad \text{N} & \quad \text{HAc}
\end{align*}
\]

Acetylmethadol (rINN) a·sē·tïl·me·tha·dol
4-Dimethylamino-1-ethyl-2,2-diphenylpentyl acetate; C₂₃H₃₁NO₂; 509-74-0
  Opioid receptor agonist; analgesic

\[
\begin{align*}
\text{Me} & \quad \text{Me} & \quad \text{NMe}_2
\end{align*}
\]

Acetaminophen (rINN) a·sē·tō·me·naf·thön
2-Methyl-1,4-naphthylene diacetate; C₁₅H₁₄O₄; 573-20-6
  Vitamin K analogue

\[
\begin{align*}
\text{OAc} & \quad \text{Me}
\end{align*}
\]

Acetoin (rINN) a·sē·tō·in
2-Propenal; C₂H₅O; 79-21-1
  Antimicrobial activity

\[
\begin{align*}
\text{CH}_2=\text{CH}=\text{O}
\end{align*}
\]

Acetophene (rINN) a·sē·tō·fen
2-Propenal; C₂H₅O; 79-21-1
  Antimicrobial activity

\[
\begin{align*}
\text{CH}_2=\text{CH}=\text{O}
\end{align*}
\]

Acetylcysteine (rINN) a·sē·tïl·sis·tän
N-Acetyl-L-cysteine; C₅H₉NO₃S; 616-91-1
  Sulfhydryl donor; antidote to paracetamol poisoning; mucolytic

\[
\begin{align*}
\text{Me} & \quad \text{H} & \quad \text{OAc}
\end{align*}
\]

Aciclovir (rINN) ä·sē·klö·veer
(1) 2-Amino-9-(2-hydroxyethoxymethyl)-9H-purin-6(1H)-one; C₈H₁₁N₅O₃; 59277-89-3
  Purine nucleoside analogue; antiviral (herpesviruses)

\[
\begin{align*}
\text{HN} & \quad \text{CH}_{2}\text{OAc}
\end{align*}
\]

Acipimox (rINN) ä·sē·pi·moks
5-Methylpyrazine-2-carboxylic acid 4-oxide; C₅H₇NO₃; 51037-30-0
  Lipid-regulating drug

\[
\begin{align*}
\text{Me} & \quad \text{N} & \quad \text{COOH}
\end{align*}
\]
Acitretin (rINN) *ä·si·tre·tin*
(1) *(2E,4E,6E,8E)-9-(4-Methoxy-2,3,6-trimethylphenyl)-3,7-dimethylnona-2,4,6,8-tetraenoic acid; (2) 3-methoxy-15-\(\beta\)-caroten-15-oic acid; C\(_{23}\)H\(_{25}\)O\(_3\); 55079-83-9
Vitamin A analogue (retinoid); treatment of psoriasis, ichthyosis, Darier’s disease

Aclarubicin (rINN) see Appendix C

Aclatonium Napadisilate (rINN) ak·la·tö·në·um
Bis[2-(O-acetyllactoyloxy)ethyltrimethylammonium naphthalene-1,5-disulfonate; C\(_{30}\)H\(_{46}\)N\(_2\)O\(_{14}\)S\(_2\); 55077-30-0; SKF 100916-J
Cholinoceptor agonist

Acolbifene (rINN) a·kol·bi·fën
(2S)-3-(4-Hydroxyphenyl)-4-methyl-2-{4-[2-(piperidin-1-yl)ethoxy]phenyl}-2\(\H\)-1-benzopyran-7-ol; C\(_{29}\)H\(_{31}\)NO\(_4\); 182167-02-8
Selective estrogen receptor modulator

Acrivastine (rINN) a·kri·vas·tën
(\(E\))-3-[6-\(\{\(E\)-3-Pyrrolidin-1-yl\}-1-p-tolylprop-1-enyl]-2-pyridyl]acrylic acid; C\(_{19}\)H\(_{19}\)N\(_2\)O\(_2\); 87848-99-5
Histamine \(H\)_\(_1\) receptor antagonist; antihistamine

Acrivastine see Rosoxacin

Actaplanin (rINN) see Appendix C

Actinomycin (BAN) ak·ti·nö·mï·sin
Antimicrobial chromopeptolides with antitumour activity produced by *Streptomyces antibioticus* and *Streptomyces chrysomallus*; cactinomycin is actinomycin C; 8052-16-2; dactinomycin is actinomycin D; 50-76-0
Antineoplastic antibacterial

Activated Prothrombin Complex (BAN)
A preparation from human plasma containing factor VIII inhibitor by-passing activity
*Activated prothrombin complex*

Adalimumab (rINN) a·da·li·mü·mab
Immunoglobulin G 1 (human monoclonal D2E7 heavy chain anti-human tumour necrosis factor), disulfide with human monoclonal D2E7c-chain, dimer; 331731-18-1
Immunomodulator

Adapalene (rINN) a·da·pa·lën
(1) 6-[4-Methoxy-3-(tricyclo[3.3.1.1\(^{3,7}\)]dec-1-yl)phenyl]-2-naphthoic acid; (2) 6-[3-(1-Adamantyl)-4-methoxyphenyl]-2-naphthoic acid; C\(_{29}\)H\(_{27}\)O\(_2\); 106685-40-9
Vitamin A analogue (retinoid); treatment of acne

Adenosine (BAN) a den·ö·sën
(\(R\))-1-(6-Amino-9\(\H\)-purin-9-yl)-1-deoxy-\(\beta\)-ribofuranose; C\(_{10}\)H\(_{13}\)N\(_2\)O\(_4\); 58-61-7
Antiarrhythmic

The symbol ‘\(\sim\)’ in systematic chemical names signifies line continuation.
Adenosine Phosphate (rINN) see Appendix C

Adicillin (rINN) see Appendix C

Adinazolam (rINN) a di nā zō-lam
8-Chloro-6-phenyl-4H-[1,2,4]triazolo[4,3-c][1,4]benzodiazepin-1-ylmethylidimethyamine; C$_{19}$H$_{18}$ClN$_{5}$; 37115-32-5; U-41123
Adinazolam Mesilate 57938-82-6; U-41123F
Benzodiazepine

Adipiodone (rINN) a di pī-ō-dōn
3,3´-Adipoyldiaminobis(2,4,6-tri-iodobenzoic acid); C$_{20}$H$_{14}$I$_{6}$N$_{2}$O$_{6}$; 606-17-7
Adipiodone Meglumine 3521-84-4
Iodinated X-ray contrast medium

Adrenaline/Epinephrine (rINN) a drē-na lēn/é pi-ne frēn
(R)-1-(3,4-Dihydroxyphenyl)-2-methylaminoethanol; C$_{9}$H$_{13}$NO$_{3}$; 51-43-4
Adrenaline Acid Tartrate/Epinephrine Acid Tartrate epinephrine bitartrate (USAN); 51-42-3
Adrenoceptor agonist

Afamelanotide (rINN) a fa me-lan-ō-tīd
N-Acetyl-l-serinyl-l-tyrosyl-l-serinyl-(2S)-2-aminohepanoyl-l-glutamyl-l-histidyl-d-phenylalaninyl-l-arginyl-l-tryptophanlylglycyl-l-lysyl-l-prolyl-l-valinamide; C$_{78}$H$_{111}$N$_{21}$O$_{19}$; 75921-69-6
Alpha-melanocyte-stimulating hormone; treatment of erythropoietic protoporphyria

Afatinib (rINN) a fa tīn ib
(2E)-N-[4-(3-Chloro-4-fluoroamilino)-7-[(3S)-oxolan-3-yl]oxy]quinazolin-6-yl]-4-(dimethylamino)but-2-enamide; C$_{24}$H$_{23}$ClF$_{3}$N$_{3}$O$_{2}$; 850140-72-6
Tyrosine kinase inhibitor acting on epidermal growth factor receptors; treatment of metastatic non-small cell lung cancer

Afiblercept (rINN) a fi-ber sept
Des-432-lysine-[human vascular endothelial growth factor receptor 1(103-204)-peptide (containing Ig-like C2-type 2 domain) fusion protein with human vascular endothelial growth factor receptor 2(206-308)-peptide (containing Ig-like C2-type 3 domain fragment) fusion protein with human immunoglobulin G1-(227 C-terminal residues)-peptide (containing C2 domain), (211-211')-bi(214-214')-bisdisulfide dimer; 862111-32-8
Human tumour necrosis factor receptor fusion protein

Afiblercept has the following amino acid sequence:
**Agalsidase Alfa** (rINN) a·gal-sid as al·fa
Human α-galactosidase isoenzyme A, isolated from human cell line, clone RAG 001 glycoform α; 104138-64-9
*agalsidase alfa has the following amino acid sequence:

| LDNGLARTPT | MGWHLWERFM | CNLDCQEEPD |
| SCISEKLFME | MAELMVSEGW | KDAGYEYCLI |
| DDCWMAPORD | SEGLQADPQ | RFPHGIRQLA |
| NLYVHSGLKL | GIYADVGNKT | CAGFPGSFGY |
| YDIDAOQFAD | WGVDLLKFDG | CYCDSLVA |
| DGYKHSMLAL | NRTGSRIVYS | CEWELMYWFF |
| QKPNYTRIOQ | YCNHWRNFAO | IDDSWKSIKS |
| ILDNTSFNQE | RIVDVAOPGG | WNDPDMLVIQ |
| NFGSLWNNQV | TQMALWAIMA | AFLDMSNDLR |
| HISQPAKALL | QDKMVATNQ | DPLGKQGYQV |
| RQGDNEVNE | RPILGLWAV | AMINRQEQIG |
| PRSITAVAS | LGKGMVACNPA | CFITQLFVK |
| RKLGFWERTS | RLRSHINPTQ | TVLLLQENTM |

*glycosylation site

**Agomelatine** (rINN) a·gö·mel·ät'en
N-[2-(7-Methoxynaphthalen-1-yl)ethyl]acetamide; C_{15}H_{17}NO_{2}; 138112-76-2; Melatonin receptor agonist; selective 5HT_{2C} antagonist; antidepressant

**Alafosfalin** (rINN) a·la·fös·fa·lin
(1R)-1-[(1-Alaninamido)ethyl]phosphonic acid; C_{12}H_{15}N_{3}O_{4}P; 60668-24-8; Ro 03-7008 Phosphonopeptide antibacterial

**Ala** (rINN) a·lan·in
l-Alanine; (S)-2-Aminopropanoic acid; C_{3}H_{7}NO_{2}; 56-41-7; Amino acid

**Albendazole** (rINN) al·ben·da·zöl
Methyl 5-propylthio-1H-benzimidazol-2-ylcarbamate; C_{12}H_{15}N_{3}O_{2}S; 54965-21-8 Benzimidazole antihelminthic (veterinary)

**Albendazole Oxide** (rINN)
Methyl 5-(propylsulfinyl)benzimidazol-2-ylcarbamate; albendazole sulfoxide; C_{12}H_{15}N_{3}O_{3}S; 54029-12-8 Benzimidazole antihelminthic (veterinary)

**Albiglutide** (rINN) al·bi·gloo·tïd
([8-Glycine]human glucagon-like peptide 1-(7-36)-peptidyl) ([8-glycine]human glucagon-like peptide 1-(7-36)-peptidyl) (human serum albumin (585 residues)); 782500-75-8 Glucagon-like peptide (GLP-1) receptor agonist (incretin mimic); treatment of type II diabetes mellitus

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The symbol ‘~’ in systematic chemical names signifies line continuation.
albiglutide has the following amino acid sequence:

HGEGLTSDTV SSYLQGQAK EFAWLVKGR
HGEGLTSDTV SSYLQGQAK EFAWLVKGR
DARKGEVHR FKDLGGEENFK ALVLIIFAFQY
LQCPPEDHIV KLVNEVTFA KTCVADESAE
NCNKLHSLTF GDKLCTVATL RETYGEMADDC
CAKQKQERMNE CFLOKHDNP NLPRlVRPEV
DVMCTAFHDN EETFLKELY EIARRHPFYFY
APELFFAKKR YKAAFTCCQ AADKAACLCP
KAKELIRDEGK ASSAKQLKC ASLQKFGERA
FKAWAVALRS QRFPPKAEAF VSKLVTDLTK
VHTEQCGDGL LECADDADL AYICNQDS
ISSKLECKCCE KPLLEKSHCI ARVENDEMPA
DLPSSLADEFV ESKDVCKNYA EAKDFVFLGF
LYEZARHDFV YSVVALLKPLA KYTEITLKK
CAADPHPECY AKVFRDFKPEL VEKPQNLKQ
NCGLFEQGVE YKFOQALLVR YTKVPQVST
PTLVEVSRNL GKVSGKCKKH PRAKMPCAE
DLYLSTVLNCL CULHEPTPVS DRVFTCCTES
LVNRAPCFSA LEVDETVFKF EFNATFTFHF
ADVCLSEXRE QIQKQTALY ELVKHIPKAT
KEQLAVMDD FAFAVEKCKK ADDKETCFAR
EGKXLAASQ QALGL

Alclofenac (rINN) al-klö·fe nak
(4-Alllyloxy-3-chlorophenyl)acetic acid; C₁₁H₁₁ClO₂; 22131-79-9
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Alclofenac (rINN) al·klö·fe·nak
(4-Allyloxy-3-chlorophenyl)acetic acid; C₁₁H₁₁ClO₂; 22131-79-9
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Aclometasone (rINN) al-klö·me·tä·son
7α-Chloro-11β,17α,21-trihydoxy-16α-methylpregna-1,4-diene-3,20-dione; C₂₉H₃₆O₄; 67452-97-5
Aclometasone Dipropionate 66734-13-2
Glucocorticoid (veterinary)

Aclometasone (rINN) al·klö·me·ta·son
7α-Chloro-11β,17α,21-trihydoxy-16α-methylpregna-1,4-diene-3,20-dione; C₂₉H₃₆O₄; 67452-97-5
Aclometasone Dipropionate 66734-13-2
Glucocorticoid (veterinary)

Aldosterone (rINN) al-dö-ste-rön
11,18-Hemiacetal of 11β,21-dihydoxy-3,20-dioxopregn-4-en-18-al; C₃₁H₃₈O₄; 52-39-1
Mineralocorticoid

Aldosterone (rINN) al-dö-ste-rön
11,18-Hemiacetal of 11β,21-dihydoxy-3,20-dioxopregn-4-en-18-al; C₃₁H₃₈O₄; 52-39-1
Mineralocorticoid

Alefacept (rINN) see Appendix C

Alemtuzumab (rINN) a·lem·tı·zu·mab
Immunoglobulin G1 (human-rat monoclonal CAMPATH-1H—γ₁-chain anti-human antigen CD52), disulfide with human-rat monoclonal CAMPATH-1H light chain dimer; 216503-57-0
Monoclonal antibody (lymphocyte CD52)

Alemtuzumab (rINN) a·lem·tı·zu·mab
Immunoglobulin G1 (human-rat monoclonal CAMPATH-1H—γ₁-chain anti-human antigen CD52), disulfide with human-rat monoclonal CAMPATH-1H light chain dimer; 216503-57-0
Monoclonal antibody (lymphocyte CD52)

Alandronic Acid (rINN) a-len·dro·nik
4-Amino-1-hydroxybutane-1,1-diybis(phosphonic acid); C₇H₁₆NO-P₂; 66376-26-1

Alandronic Acid (rINN) a-len·dro·nik
4-Amino-1-hydroxybutane-1,1-diybis(phosphonic acid); C₇H₁₆NO-P₂; 66376-26-1

Sodium Alendronate 121268-17-5
Bisphosphonate; treatment of osteoporosis

Sodium Alendronate 121268-17-5
Bisphosphonate; treatment of osteoporosis
Alexitol Sodium (rINN) a·leks·i·tol
Sodium poly(hydroxyaluminium) carbonate—hexitol complex; 66813-51-2
Antacid

Alfacalcidol (rINN) al·fa·kal·si·dol
9,10-Secoochlesta-5,7,10(19)-triene-1α,3β-diol; 1α-hydroxycholecalciferol; 1α-hydroxyvitamin D₃; 1α-OHD₃; C₂₆H₄₂O₂; 41294-56-8; Vitamin D analogue

Alfaldex (rINN) al·fa·deks
Cyclomaltohexaose; alphacyclodextrin; C₃₆H₆₀O₃₀; 10016-20-3
Cyclodextran; carrier molecule for drug delivery systems

Alfadolone (rINN) al·fa·do·lön
3α,21-Dihydroxy-5α-pregnene-11,20-dione; C₂₁H₃₂O₄; 14107-37-0
*Alfadolone Acetate 23930-37-2
Intravenous general anaesthetic (veterinary)

Alfaprostol (rINN) al·fa·pros·tol
Methyl (Z)-7-[(1R,2S,3R,5S)-2-[(3S)-5-cyclohexyl-3-hydroxypent-1-ynyl]-3,5-dihydroxycyclopentyl]hept-5-enoate; C₁₉H₂₈O₅; 74176-31-1
Prostaglandin (PGF₂α) analogue

Alfaxalone (rINN) al·fak·säl·ön
3α-Hydroxy-5α-pregnene-11,20-dione; C₂₁H₃₂O₃; 23930-19-0
Intravenous general anaesthetic (veterinary)

Alfentanil (rINN) al·fen·ta·nil
N-[1-[(2-(4-Ethyl-5-oxo-2-tetrazolin-1-yl)ethyl]-4-(methoxymethyl)-4-piperidyl]propionanilide; C₂₁H₂₅N₂O₅; 71195-58-9
*Alfentanil Hydrochloride 69049-06-5
Opioid receptor agonist; analgesic

Alfimeprase (rINN) al·fi·mep·räs
[3-L-Serine]fibrolase-(3-203)-peptide (fibrolase: fibrinolytic enzyme isolated from Agkistrodon controx venom); 259074-76-5
Fibrinolytic metalloproteinase
alfimeprase has the following amino acid sequence:

Alfuzosin (rINN) al·fü·zö·sin
N-[3-[4-Amino-6,7-dimethoxyquinazolin-2-yl(methyl)amino]propyl]tetrahydro-2-furamide; C₁₉H₂₇N₅O₄; 81403-80-7; SL 77 499-10
*Alfuzosin Hydrochloride 81403-68-1
Alpha₁-adrenoceptor antagonist

The symbol ‘—’ in systematic chemical names signifies line continuation
Algestone (INNM) al·jes·tön
16α,17α-Isopropylidenedioxypregn-4-ene-3,20-dione; C₂₁H₃₀O₄; Algestone Acetonide 595-77-7

Progestogen

• Alginic Acid (rINN) al·ji·nik
A polyuronic acid composed of residues of D-mannuronic and L-guluronic acids obtained chiefly by extraction of algae belonging to the Phaeophyceae; mainly species of Laminaria; 9005-32-7
Treatment of gastro-oesophageal reflux disease, excipient, thickening agent

Alglucerase (rINN) al·goo·se·räs
Macrophage-targeted β-glucocerebrosidase; monomeric glycoprotein of 497 amino acids with glycosylation making up about 6% of the molecule; 143003-46-7
Beta-glucocerebrosidase; treatment of Gaucher’s disease

alglucerase has the following amino acid sequence:

ARPCIPKSGF YSSVVCVCA NYCDSDPPT
FPALGTFFRY ESTRSGRRME LSMGPIQANH
TGTGLLTLQ PEQKFKVKVG FGGAMTDAAA
LNILALSFPA QNLKLYSTFS BEEGIGNIIR
VPMASCDFSFI RTYTDTPDF DFLHNLNSLP
EEDTKLKIPL IHRLQLAQQR FVSLIASFWT
SPTWLKTNGA VNGKSLKQG PGDIYHTWA
RYFVKFLDAY AEHKLQFWAV TAENEPSAGL
LSGYPPQCLG FTPHEQRFCI ARDLGPTLAN
STHHVRLLM LLDDQKLPLL WAKVLTDPF
AAYVKVHGAIV HNYLDPLAPA KATLGEHRL
FPNTMLFASE ACVGSKFEQ SVRLGSWDRG
MQYSHSITTIN LLYHVGWTD WNLALNPEGG
PNWVRNFVDS PIIVDITKDIT FKYPNPNFYHL
GHFSKIFPEG SGRVGLVASQ KNNDLAVALM
HDPGSAVVV LNRRSKDVPL TIKDPAGVFL
EYISPQYSH IH TLYWRQ

Alglucosidase Alfa (rINN) al·goo·cô·si·däz
Human lysosomal prepro-α-glucosidase-(57-952)-peptide 199-arginine-223-histidine variant; 420784-05-0
Enzyme replacement therapy; treatment of Pompe’s disease

alglucosidase alfa has the following amino acid sequence:

QGGASRPGPR DAQUHPGPRP AVPTQCDVP PNSRPOCAFP
AITQOCKEAR GCCYIPAKQQ LIOQAMCGQP CFFPSPYPS
KLENSGSEM GYATLIRRTT PFTPPKDILT LRLDVDNETE
NRLAFTKDF ANRYYEVPLE TFPVHRSAPE ELYSVEFSEE
FGVYHVRQL DGRVLNTTVT APLFFAQFL QLSTLPSQY
ITTLEABSF LMLSTSRTWI TLMNQALAPT FGANLYSHHP
FYJALISDGGS AHGVFLNAM AMDVLQPSP ALSNWRUTGGI
LDYFLGQPE PRSVVQQYLD VVGVFFPMPP WLGFLHCWR
GYSSTAIPRQ VVEKMTTRAP FPLQVQDNLD YMSRRSQFF
NNGQFRPFPA MYQELMQGGR RMMIVDFNP SSGPGASYR
FYDEQLRKVQ FITNCTQFP IGVKHPGSTA FPPDFTNPTA
AMWEDMAVFP BDQVFEDGWM IDMPEPSRP IEGSEDCPPN
LENFPYYVPG VVGSQAPTIC CAASSHQQSL THYNLHLYLG
LTEAIASHRA LQKARTFRP VISRSTFAGH QRYAGWNTGD
WNSMNQLAS SYEFLGQNL LGVPLGADVQ CGFLGNTSEE
LCVRMKTQGA FYPMMNHNIS LLSLQFQYS FSEPQAMQR
KALITYALL PHLYLTFQGA HVGETVAPF LFLEPFDSS
TWTVDQQLMW GEALLIPVLI QAGKAVTVG FPLGWDPDLQ
TVFIEALGLSL PPFPAPREP AINSEGQKVT LAFPLDTINV
HLRCYIPL OGPGUJTTES RQOPMAJALA LTKGGEARGE
LMQDGSESE VLQERRAQTV KVFFLRNVTI LNEV<HTMLInputElement>ESG
AGLQKVKTQV LGVATAPQQV LSNQPVSNF ETPSYDKVFL
ICVSLIMQEQE FLVSWC

* glycosylation sites

Alimemazine (rINN) a·li·mem·a·zën
Dimethyl(2-methyl-3-phenothiazin-10-ylpropyl)amine; (C₁₈H₂₂N₂S)₂; 84-96-8

• Alimemazine Tartrate 4340-99-8
Histamine H₁ receptor antagonist; antihistamine

and enantiomer
Alinidine (rINN) a ˈiːniː ˈdiːn
N-Allyl-2,6-dichloro-N-(2-imidazolin-2-yl)aniline;
C₁₂H₁₃Cl₂N₃; 33178-86-4
Alinidine Hydrobromide St-567-BR
Anton channel blocker; class V antiarrhythmic drug

Alipamide (rINN) a ˈliː pə ˈmɛd
4-Chloro-N′,N′-dimethyl-3-sulfamoylbenzohydrazide;
C₉H₁₂ClN₃O₃S; 3184-59-6; CI-546
Thiazide-like diuretic

Aliskiren (rINN) ˈaɪs ˈkiːren
(2S,4S,5S,7S)-5-Amino-N-(2-carbamoyl-2-methylpropyl)-4-
hydroxy-7-[(4-methoxy-3-(3-methoxypropoxy)phenyl)
- methyl]-8-methyl-2-(propan-2-yl)nonanamide; C₃₀H₅₃N₃O₆;
173334-57-1
Renin inhibitor; antihypertensive

Alitretinoin (rINN) ˈaɪtɾɛtɪˈrɔɪn
(2E,4E,6Z,8E)-3,7-Dimethyl-9-(2,6,6-trimethylcyclohex-
1-enyl)nona-2,4,6,8-tetraenoic acid; 9- cis-retinoic acid;
C₂₀H₂₈O₂; 5300-03-8
Vitamin A analogue (retinoid); treatment of eczema and
Kaposi’s sarcoma

Almotriptan (rINN) aˌmoʊˈtrɪptən
Dimethyl[2-[5-(pyrrolidin-1-ylsulfonylmethyl)indol-3-yl]]-
ethyl]amine; C₁₂H₁₄N₂O₃S; 154323-57-6; LAS 31416
Serotonin 5HT₁ receptor agonist; treatment of migraine

Allophanate (rINN) ˈæləˈfeɪn
1H-Pyrazolo[3,4-d]pyrimidin-4-ol; C₅H₄N₄O;
315-30-0
Xanthine oxidase inhibitor; treatment of gout and
hyperuricaemia

Allosterine (rINN) aˈloʊstɛrɪn
2,5-Dioxoimidazolidin-4-ylurea; C₅H₄N₄O; 97-59-6
Astringent; keratolytic

Allopurinol (rINN) ˈæləˈpʊrɪnəl
1H-Pyrazolo[3,4-d]pyrimidin-4-ol; C₅H₄N₄O;
315-30-0
Xanthine oxidase inhibitor; treatment of gout and
hyperuricaemia

Almagate (rINN) ˈælmaˌɡæt
Aluminium trimagnesium carbonate heptahydrate dihydrate;
AlMg₃(CO₃)(OH)₇·2H₂O; 66827-12-1
Antacid

Almasil (rINN) aˌlˌməˌsil
N,N′-Diallyl-6-[4-(4,4′-difluorobenzhydryl)piperazin-1-yl]-
1,3,5-triazone-2,4-diyldiamine; C₂₀H₂₆F₄N₆; 27469-53-0
Respiratory stimulant

Almitrine (rINN) ˈælməˈtrɪn
N,N′-Diallyl-6-[4-(4,4′-difluorobenzhydryl)piperazin-1-yl]-
1,3,5-triazone-2,4-diyldiamine; C₂₀H₂₆F₄N₆; 27469-53-0
Respiratory stimulant

The symbol ‘−’ in systematic chemical names signifies line continuation
Almurtide (rINN) *al*mür·tid
* N\(^2\)-[(2-Acetamido-2-deoxy-\(\beta\)-glucopyranos-3-\(\beta\)-yl)acetyl-L-alanyl]-\(\beta\)-glutamic acid 1-amide; \(\text{C}_{14}\text{H}_{20}\text{N}_{4}\text{O}_{11}\); NorMDP
Almurtide Sodium 60355-77-3
Immunostimulant

Alniditan (rINN) *al*ni·di·tan
\((R)\)-N-Chroman-2-ethyl-N'-\((1,4,5,6\text{-tetrahydropyrimidin}-2\text{-yl})\text{propyl}-1,3-diamine; \(\text{C}_{17}\text{H}_{26}\text{N}_{4}\text{O}\); 152317-89-0; R91274
Alniditan Dihydrochloride
Serotonin 5HT\(_1\) receptor agonist; treatment of migraine

Alogliptin (rINN) *a*·lö·glipt·tin
2-{\(\{3\}R\)-3-Aminopiperidin-1-yl]-3-methyl-2,4-dioxo-3,4-dihydropyrimidin-1(2H)-yl}methyl)benzonitrile; \(\text{C}_{18}\text{H}_{21}\text{N}_{5}\text{O}_{2}\); 850649-61-5
Alogliptin Benzoate 850649-62-6
Dipeptidylpeptidase-4 (DPP-4) inhibitor; treatment of type II diabetes mellitus

Aloin (BAN) *a*lö·in
10-\(\beta\)-Glucopyranosyl-1,8-dihydroxy-3-hydroxymethyl-9(10H)-anthrone; barbaloin; \(\text{C}_{13}\text{H}_{20}\text{O}_{5}\); 5133-19-7
Anthraquinone stimulant laxative

Alosetron (rINN) *a*·lö·se·tron
2,3,4,5-Tetrahydro-5-methyl-2-(5-methylimidazol-4-ylmethyl)pyrido[4,3-b]indol-1-one; \(\text{C}_{14}\text{H}_{20}\text{N}_{6}\text{O}_{7}\); 122852-42-0
Alosetron Hydrochloride 122852-69-1
Serotonin 5HT\(_3\) receptor antagonist; treatment of irritable bowel syndrome

Aloxidone see Allomethadione

Aloprin (rINN) *a*·loks-pr·in
Polymeric condensation product of aluminium oxide and \(O\)-acetylsalicylic acid; 9014-67-9
Salicylate; antipyretic analgesic; anti-inflammatory

Alpha-Cypermethrin (BAN) *al*·fa·si·til me·tha·dol
\((1R,4R)-4\text{-Dimethylamino-1-ethyl-2,2-diphenylpentyl acetate; C}_{22}\text{H}_{21}\text{NO}_{2}\); 17199-58-5
Opioid receptor agonist

Alphamethadol (rINN) *al*·fa·se·til me·tha·dol
\((1R,4R)-4\text{-Dimethylamino-1-ethyl-2,2-diphenylpentyl acetate; C}_{22}\text{H}_{21}\text{NO}_{2}\); 17199-58-5
Opioid receptor agonist

Alphameprodine (rINN) *al*·fa·me·pro·dën
\((3S,4R)-3\text{-Ethyl-1-methyl-4-phenyl-4-piperidyl propionate; C}_{17}\text{H}_{20}\text{NO}_{2}\); 468-51-9
Opioid receptor agonist; analgesic

Alphadalone see Alfadalone

Alpha-Cypermethrin (BAN) *al*·fa·si·til me·tha·dol
\((1R,4R)-4\text{-Dimethylamino-1-ethyl-2,2-diphenylpentyl acetate; C}_{22}\text{H}_{21}\text{NO}_{2}\); 17199-58-5
Opioid receptor agonist

Alphameprodine (rINN) *al*·fa·me·pro·dën
\((3S,4R)-3\text{-Ethyl-1-methyl-4-phenyl-4-piperidyl propionate; C}_{17}\text{H}_{20}\text{NO}_{2}\); 468-51-9
Opioid receptor agonist; analgesic
Alphamethadol (rINN) al·fa·me·tha·dol
(3R,6R)-6-Dimethylamino-4,4-diphenylheptan-3-ol; C_{21}H_{29}NO;
17199-54-1
Opioid receptor agonist

Alphaprodine (rINN) see Appendix C

Alphaxalone see Alfaxalone

Alpidem (rINN) see Appendix C

Alprazolam (rINN) al·pra·zö·lam
8-Chloro-1-methyl-6-phenyl-4\(\text{-}[1,2,4]\text{-triazolo}[4,3-\text{a}]1,4\text{-benzodiazepine}; C_{17}H_{13}ClN_{4};
28981-97-7
Alprazolam Mesilate 57938-82-6; U-41,123
Benzodiazepine

Alprostadil (rINN) al·prost·a·dil
(1) 7-{(1R,2R,3R)-3-Hydroxy-2-[(E)-(3S)-3-hydroxyoct-1-enyl]-5-oxo-cyclopentyl}heptanoic acid;
(2) cyclomaltohexaose—(13E)-(11R,15S)-11,15-dihydroxy-9-oxoprostan-13-enoic acid; C_{20}H_{34}O_{5}(C_{36}H_{60}O_{30}); PGE_{1} α-CD
Alprostadil Alfadex
Prostaglandin E_{1} (PGE_{1})

Alteplase (rINN) al·te·pläs
Recombinant tissue-type plasminogen activator produced by a Chinese hamster ovary (CHO) cell line transformed with the human t-PA gene; a glycosylated protein of 527 residues having the amino acid sequence of human tissue plasminogen activator; 105857-23-6
Tissue-type plasminogen activator; fibrinolytic

For labelling purposes the name carries an approved code, in parentheses and in lower case letters, indicative of the method of production.

The following code is approved:
(rch) produced from genetically engineered Chinese hamster ovary cells.

alteplase has the following amino acid sequence:

```
SYQVICRDEK TQMIYQHQS WLRPVLSN
VEYWCNNSGR ACCHSVPKS CSEPFCNG
TCQMLYFSDF PVCOQEBGFA GKCCHIDTRA
TCYEDGSIY RGWTSTAESS AEGCNWNSSA
LAQKFYSGR PDARILGLGN HNYCRNFDRD
SKFWCVYFKA GKYSEFCST PACSEGNSDC
YPFNGSAHRY THELTESGAS CLPWSNMLI
GKVYTAQPNPS AQALGLKHN YCRNPDDAK
FWCHVLKNRR LTWYCDVPS CSTGQLQYS
QPQFR
IKGGLPADIA SHPWWQAIJA KHRSPGERF
LGCGILISSC WILSAHCFQ ERFPFHHTV
ILGRTYRVVP GBBQKFEVE KYIVKHEDDD
DIIYNDIALL QLRSDDSSCA GESSVVRTVC
LPFADLQLPD WTBCELSGYG KEALSPFYS
ELRKEAHVRL YPSRQTSQH LLNRTVDNM
LCAGDTRSGG PQANHDAQC GDSGGPLVCL
NDGRMTLVGI ISWGLGOCQK DVPGVKT
NYLWDRDNM RP
```
Altizide (rINN) al·ti·zïd
6-Chloro-1,1-dioxo-3-[(prop-2-en-1-yl)sulfanyl]methyl]-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamide;
C₁₁H₁₄ClN₃O₄S₃; 5588-16-9;
Thiazide diuretic

Altrenewest (rINN) al·tre·nö·jest
(1) 17α-Allyl-17β-hydroxy-19-norandrosta-4,9,11-trien-3-one;
(2) 17β-Hydroxy-19,21,24-trinorchola-4,9,11,22-tetraen-3-one;
C₂₁H₂₆O₂; 850-52-2
Progestogen (veterinary)

Alvocidib (rINN) al·vö·si· dib
(-)-2-(2-Chlorophenyl)-5,7-dihydroxy-8-[(3S,4R)-3-hydroxy-1-methylpiperidin-4-yl]-4H-chromen-4-one;
C₁₉H₁₃ClNO₅; 146426-40-6;
Alvocidib Hydrochloride 131740-09-5
Cyclin-dependent kinase inhibitor; antineoplastic

Alnefamine (rINN) al·tre·ta·mën
N₂,N₂,N₄,N₄,N₆,N₆-Hexamethyl-1,3,5-triazine-2,4,6-triamine;
C₉H₁₈N₆; 645-05-6; NSC-13875
Antineoplastic; treatment of ovarian carcinoma

Aluminium Clofibrate (rINN) klö·fi·brät
Bis[2-(4-chlorophenoxy)-2-ethylpropionato]hydroxoaluminium;
C₂₀H₂₁AlCl₂O₇; 14613-01-5
Fibrate; lipid-regulating drug

Alverine (rINN) al·ve·rën
Ethylbis(3-phenylpropyl)amine; C₂₀H₂₇N; 150-59-4
Alverine Citrate 5560-59-8
Smooth muscle relaxant; antispasmodic

Amantadine (rINN) a·man·ta·dën
Tricyclo[3.3.1.1.3,7]dec-1-ylamine; 1-adamantanamine;
C₁₀H₁₇N; 768-94-5

Amantadine Hydrochloride 665-66-7;
Viral replication inhibitor (influenza A); dopamine receptor agonist; treatment of influenza and Parkinson’s disease

Ambazone (rINN) am·ba·zön
6-Amidinohydrazonocyclohexa-1,4-di en-3-one thiosemicarbazone; C₁₉H₁₁N₅S; 6011-12-7
Antiseptic
Ambenonium Chloride (rINN) am be nō-nē um
\[N,N\text{-Oxalylbis}(N\text{-2-aminoethyl-N\text{-2-chlorobenzyldiethyl}-ammonium}) \text{ dichloride; C}_{29}\text{H}_{43}\text{Cl}_{2}\text{N}_{4}\text{O}_{4}; 115-79-7\]
Cholinesterase inhibitor

Ambenoxan (rINN) am be noks an
2,3-Dihydro-1,4-benzodioxin-2-ylmethyl[2-(2-methoxyethoxy)ethyl]amine; C_{14}H_{22}NO_{4}; 2455-84-7
Skeletal muscle relaxant

Ambicromil (rINN) am bê krô mil
4,6-Dioxo-10-propyl-4\text{H},6\text{H}-pyrano[3,2-g]chromene-2,8-dicarboxylic acid; C_{17}H_{12}O_{8}; 58805-38-2
Ambicromil Calcium 72144-97-3
Treatment of asthma, food allergy, allergic conjunctivitis and rhinitis

Ambirisentan (rINN) am bri sen tan
(+)-(2S)-2-[(4,6-Dimethylpyrimidin-2-yl)oxy]-3-methoxy-3,3-diphenylpropanoic acid; C_{22}H_{22}N_{2}O_{4}; 177036-94-1
Endothelin-A receptor antagonist

Ambroxol (rINN) am broks ol
trans-4-[(2-Amino-3,5-dibromobenzyl)amino]cyclohexanol;
C_{13}H_{18}Br_{2}N_{2}O; 18683-91-5
Ambroxol Hydrochloride 23828-92-4
Mucolytic expectorant

Ambucetamide (rINN) am bû se\text{~ta} mid
(\pm)-2-Dibutylamino-2-(4-methoxyphenyl)acetamide;
C_{15}H_{23}N_{2}O; 519-88-0
Smooth muscle relaxant; antispasmodic

Ambuside (rINN) am bû sîd
5-Allylsulfamoyl-2-chloro-4-(3-hydroxybut-2-enylideneamino)benzenesulfonamide; C_{13}H_{16}CIN_{2}O_{3}S; 3754-19-6
Thiazide-like diuretic

Ambutonium Bromide (BAN) am bû tō nē um
(3-Carbamoyl-3,3-diphenylpropyl)ethylidimethylammonium bromide; C_{26}H_{36}BrN_{2}O; 115-51-5
Choline antagonist

Amcinonide (rINN) am si no nîd
16\alpha,17\alpha\text{-Cyclopentenyldedioxy-9\alpha\text{-fluoro-11\beta\text{-hydroxy-3,20-dioxopregna-1,4-dien-21-yl acetate; C}_{28}H_{35}FO_{7}; 51022-69-6; CL 34699 Corticosteroid}

Ameltolide (rINN) a mel\text{~to} lid
4-Aminobenzox-2,6-xylidine; C_{15}H_{16}N_{2}O; 787-93-9; LY201116 Antiepileptic

The symbol ‘~’ in systematic chemical names signifies line continuation
Ametazole (BAN) a·me·ta·zôl
2-(Pyrazol-3-yl)ethylamine; betazole (pINN); C₉H₉N₃; 105-20-4
Ametazole Hydrochloride 138-92-1
Stimulant of gastric secretion

Amitriptyline

Amethocaine see Tetracaine

Amfebutamone see Bupropion

Amfecloral (rINN) am·fe·klor·ral
α-Methylphenethyl(2,2,2-trichloroethylidene)amine;
C₁₁H₁₂Cl₃N; 5581-35-1
Amfetamine analogue

Amfenac (rINN) am·fe·nak
(2-Amino-3-benzoylphenyl)acetic acid; C₁₅H₁₃NO₃; 51579-82-9
Amfenac Sodium 61618-27-7
Cyclo-oxygenase inhibitor

Amfetamine (rINN) am·fe·ta·mën
(RS)-α-Methylphenethylamine; C₉H₁₃NO; 300-62-9
• Amfetamine Sulfate 60-13-9
Releases dopamine; central nervous system stimulant

Amfetamine Sulfate 60-13-9
Releases dopamine; central nervous system stimulant

Amfiprin (rINN) a·mi·par·in
7-Benzyl-1-ethyl-1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxylic acid; C₁₈H₁₄N₂O₂; 15180-02-6
Dopamine reuptake inhibitor; central nervous system stimulant

Amifampridine (rINN) a·mi·fam·pri·dën
Pyridine-3,4-diamine; C₉H₈N₂; 54-96-6;
Potassium-channel blocker; treatment of Lambert-Eaton myasthenic syndrome

Amicarbalide (rINN) a·mi·kar·ba·lid
(1) 1,3-Bis(3-amidinophenyl)urea; (2) 3,3’-diamidino-carbaniile; C₉H₁₀N₄O; 3459-96-9
Amicarbalide Isetionate 3671-72-3
Antiprotozoal

Amidantel (rINN) a·mi·dan·tel
4’-(1-Dimethylenoethylideneamino)-2-methoxyacetanilide;
C₁₅H₁₄N₂O; 49745-00-8
Amidantel Hydrochloride
Antihelminthic

Amidefrine (rINN) a·mi·de·frën
(±)-3’-(1-Hydroxy-2-methylaminoethyl)methanesulfonanilide;
C₁₀H₁₆N₂O₃S; 1421-68-7
Alpha-adrenoreceptor agonist; vasoconstrictor, nasal decongestant

Amidotrizoic Acid (rINN) a·mï·dö·trï·zö·ik
3,5-Diacetamido-2,4,6-tri-iodobenzoic acid; C₁₁H₉I₃N₂O₄; 117-96-4
MeglumineAmidotrizoate 131-49-7
Sodium Amidotrizoate 737-31-5
Iodinated X-ray contrast medium

Amifostine (rINN) a·mi·fós·tîn
7-Ethyl-1-ethyl-1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxylic acid; C₁₈H₁₄N₂O₂; 15180-02-6
Dopamine reuptake inhibitor; central nervous system stimulant
Amifloxacin (rINN) a·mi·flōks·ə·sin
6-Fluoro-1,4-dihydro-1-methylamino-7-(4-methylpiperazin-1-yl)-4-oxoquinoline-3-carboxylic acid; C_{16}H_{19}FN_{4}O_{3}; 86393-37-5
Amifloxacin Mesilate 88036-80-0
Fluoroquinolone antibacterial

Amifostine (rINN) a·mi·fōs·tên
S-[2-(3-Aminopropylamino)ethyl] dihydrogenphosphorothioate; C_{12}H_{22}N_{2}O_{3}PS; 20537-88-6
Cytoprotective

• Amikacin (rINN) a·mi·kä·sin
6-O-[3-Amino-3-deoxy-a-D-glucopyranosyl]-4-O-[6-amino-6-deoxy-a-D-glucopyranosyl]-N^1-[2S]-4-amino-2-hydroxy-n-butyl]-2-deoxy-β-streptamine; C_{23}H_{31}N_{5}O_{13}; 37517-28-5
• Amikacin Sulfate 39831-55-5;
Aminoglycoside antibacterial

Amiloride (rINN) a·mi·lor·rid
N-Amidino-3,5-diamino-6-chloropyrazine-2-carboxamide; C_{6}H_{12}ClN_{5}O; 2609-46-3
• Amiloride Hydrochloride 17440-83-4 (dihydrate);
2016-88-8 (anhydrous)
Sodium channel blocker; potassium-sparing diuretic

Aminacrine see Aminoacridine

Aminopterin Sodium (rINN) see Appendix C

Aminopromazine (rINN) see Appendix C

Aminorex (rINN) a·mi·nor·reks
(±)-4,5-Dihydro-5-phenyl-1,3-oxazol-2-ylamine; C_{13}H_{10}N_{3}O; 2207-50-3
Amphetamine analogue; appetite suppressant

The symbol ‘Ø’ in systematic chemical names signifies line continuation
**Amiodarone** (rINN)  a mé̄-də-rón
(2-Butyl-1-benzofuran-3-yl)[4-[2-(diethylamino)ethoxy]-3,5-diiodophenyl]methane; C$_{25}$H$_{29}$I$_2$NO$_3$; 1951-25-3

**Amiodarone Hydrochloride** 19774-82-4
Potassium channel blocker; class III antiarrhythmic

**Amiphenazole** (rINN) a-më-fë-zôl
5-Phenyl-1,3-thiazole-2,4-diyldiamine; C$_9$H$_9$N$_3$S; 490-55-1
Respiratory stimulant

**Amisometradine** (rINN) a-mï-säm-trä-dën
6-Amino-3-methyl-1-(2-methylallyl)pyrimidine-2,4(1H,3H)-dione; C$_9$H$_{13}$N$_3$O$_2$; 550-28-7
Diuretic

**Amisulpride** (rINN) a-më-sul-prïd
(RS)-4-Amino-N-[(1-ethylpyrrolidin-2-yl)methyl]-5-(ethylsulfonyl)-o-anisamide; C$_{19}$H$_{29}$N$_3$O$_2$S; 71675-85-9
DAN-216
Dopamine receptor antagonist; antipsychotic

**Amitraz** (rINN) a-më-traz
Methylbis(2,4-xylyliminomethyl)amine; C$_{19}$H$_{29}$N$_3$; 33089-61-1
Topical parasiticide; acaricide (veterinary)

**Amitriptyline** (rINN) a mi-trè-ti-én
3-(10,11-Dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)propyldimethylaniline; C$_{26}$H$_{25}$N; 50-48-6

**Amitriptyline Embonate** 17086-03-2
**Amitriptyline Hydrochloride** 549-18-8
Monoamine reuptake inhibitor; tricyclic antidepressant

**Amisulpride** (rINN) a-më-sul-prïd
(RS)-4-Amino-N-[(1-ethylpyrrolidin-2-yl)methyl]-5-(ethylsulfonyl)-o-anisamide; C$_{19}$H$_{29}$N$_3$O$_2$S; 71675-85-9
DAN-216
Dopamine receptor antagonist; antipsychotic

**Amitraz** (rINN) a-më-traz
Methylbis(2,4-xylyliminomethyl)amine; C$_{19}$H$_{29}$N$_3$; 33089-61-1
Topical parasiticide; acaricide (veterinary)

**Amitriptyline** (rINN) a mi-trè-ti-én
3-(10,11-Dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)propyldimethylaniline; C$_{26}$H$_{25}$N; 50-48-6

**Amitriptyline Embonate** 17086-03-2
**Amitriptyline Hydrochloride** 549-18-8
Monoamine reuptake inhibitor; tricyclic antidepressant
Amodiaquine (rINN) see Appendix C

Amorolfine (rINN) amor–ol–fen
\(cis-4-((RS)-3-[4-(1,1-Dimethylpropyl)phenyl]-2-methylpropyl)-2,6-dimethylmorpholine; \text{C}_{21}\text{H}_{33}\text{NO}; \text{78613-35-1}\)

**Amorolfine Hydrochloride 78613-38-4**
Antifungal

\[
\text{CH}_2 \text{CH} = \text{CH}-\text{CH}_2-\text{N}^+\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{OH} \quad \text{and epimer at C'}
\]

Amoxapine (rINN) a·moks·a·pën
2-Chloro-11-(piperazin-1-yl)dibenz[b,f][1,4]oxazepine; \text{C}_{17}\text{H}_{16}\text{ClN}_{3}\text{O}; \text{14028-44-5}

Monoamine reuptake inhibitor; tricyclic antidepressant

Amoxicillin (rINN) a·mok·si·lin
6-(\(\alpha\)-D-P-Hydroxyphenylglycylamino)penicillanic acid; \text{C}_{16}\text{H}_{19}\text{N}_{3}\text{O}_{4}\text{S}; \text{69-53-4}

**Amoxicillin Sodium 69-52-3**

**Amoxicillin Trihydrate 61336-70-7**
Penicillin antibacterial

Amperozide (rINN) am·per·ö·zïd
4-[4,4-Bis(4-fluorophenyl)butyl]-N-ethylpiperazine-1-carboxamide; \text{C}_{23}\text{H}_{29}\text{F}_{2}\text{N}_{3}\text{O}; \text{75558-90-6}

**Amperozide Hydrochloride 75529-73-6**
Serotonin 5HT_{2} receptor antagonist; antipsychotic (veterinary)

Ampicillin (rINN) am·pi·si·lin
(6\(R\))-6-(\(\alpha\)-D-Phenylglycylamino)penicillanic acid; \text{C}_{16}\text{H}_{19}\text{N}_{3}\text{O}_{4}\text{S}; \text{69-53-4}

**Ampicillin Sodium 69-52-3**

**Ampicillin Trihydrate 7177-48-2**
Penicillin antibacterial

Ampiroxicam (rINN) am·pi·roks·i·kam
4-[1-(Ethoxycarbonyloxy)ethoxy]-2-methyl-N-(2-pyridyl)-2H-1,2-benzothiazine-3-carboxamide 1,1-dioxide; \text{C}_{20}\text{H}_{21}\text{N}_{3}\text{O}_{7}\text{S}; \text{99464-64-9}; \text{CP-65703}
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Amphoterin (rINN) am·fo·te·ri·sin
A mixture of antifungal polyenes produced by certain strains of Streptomyces nodosus


Antifungal

The symbol ‘–’ in systematic chemical names signifies line continuation
Amprolium (rINN) am-pro-lë-um
1-(4-Amino-2-propylpyrimidin-5-ylmethyl)-2-methylpyridinium chloride; C_{14}H_{19}ClN_{4}; 121-25-5

\[ \text{Amprolium Hydrochloride 137-88-2} \]
Antiprotozoal; prevention and treatment of coccidiosis (veterinary)

\[
\text{Amprolium} \\
\text{Amprolium Hydrochloride}
\]

Amrinone (rINN) see Appendix C

Amsacrine (rINN) am-sa-krēn
4´-(Acridin-9-ylamino)methanesulfon-\(m\)-anisidide; C_{21}H_{19}N_{3}O_{3}S; 51264-14-3

\[ \text{Amsacrine Lactate} \]
Antineoplastic; treatment of haematological cancers

\[
\text{Amsacrine Lactate}
\]

Amylmetacresol (rINN) ä-mïl-me-ta-krë-sol
6-Pentyl-\(m\)-cresol; C_{12}H_{18}O; 1300-94-3
Antiseptic

Amylobarbitone see Amobarbital

Amylocaine (BAN) a mï-lo-kän
(RS)-1-(Dimethylaminomethyl)-1-methylpropyl benzoate; C_{14}H_{21}NO_{2}; 644-26-8
Local anaesthetic

\[
\text{Amylocaine (BAN)}
\]

Anagrelide (rINN) a-na-grel-īd
6,7-Dichloro-1,5-dihydroimidazol[2,1-b]quinazolin-2(3H)-one; C_{7}H_{7}Cl,N,O; 68475-42-3
Cyclic nucleotide phosphodiesterase inhibitor; control of thrombocythaemia

\[
\text{Anagrelide}
\]

Anakinra (rINN) a na kin-ra
N\(^{-1}\)-Methionylinterleukin 1 receptor antagonist (human isoform x reduced); 143090-92-0
Interleukin-1 receptor antagonist

\[ \text{Anakinra has the following amino acid sequence:} \]

\[
\text{Anakinra}
\]

Anaritide (rINN) a-na ri-īd
N\(^{-1}\)-Arginyl-[8-L-methionine-21\(\beta\)-L-phenylalanine-21\(\beta\)-L-tyrosine]-atriopeptin-21 (rat); C_{12}H_{175}N_{39}O_{35}S_{3}; 95896-08-3; Wy 47663

\[ \text{Anaritide Acetate 104959-79-1} \]
Natriuretic peptide type A; diuretic

\[
\text{Anaritide Acetate}
\]

Anastrozole (rINN) a-nas tro zël
2,2´-Dimethyl-2,2´-[5-(1H-1,2,4-triazol-1-ylmethyl)-1,3-phenylene]bis(propiononitrile); C_{17}H_{19}N_{5}; 120511-73-1
Aromatase inhibitor; treatment of breast carcinoma

\[
\text{Anastrozole}
\]

Ancrod (rINN) an krod
An enzyme obtained from the venom of the Malayan pit-viper, Calloselasma rhodostoma Boie, 1827, formerly Agkistrodon rhodostoma, acting specifically on fibrinogen by the release of fibrinopeptide A; 9046-56-4
Anticoagulant enzyme; fibrin cleavage

\[
\text{Ancrod}
\]
Androstanolone (rINN) an·drö stan·o·lön
17β-Hydroxy-5α-androstan-3-one; C_{19}H_{30}O_{2}; 521-18-6
Anabolic steroid; androgen

Angiotensinamide (rINN) see Appendix C

Anidoxime (rINN) a·ni·doks·ëm
3-Diethylaminopropiophenone O-(p-methoxyphenyl)-carbamoyloxime; C_{21}H_{27}N_{3}O_{3}; 34297-34-2; BRL 11870; E-142
Analgesic

Anidulafungin (rINN) a·ni·dul·ä·fun·gin
6, N{1-Anhydro-(4R,5R)-4,5-dihydroxy-N-[(3-(pentyloxy)-1,2,2',3,3'-terphenyl-1'-yl)carbonyl]-L-ornithyl-L-threonyl-(4R)-4-hydroxy-L-prolyl-(S)-4-hydroxy-4-(4-hydroxyphenyl)-L-threonyl-L-threonyl-(3S,4S)-3-hydroxy-4-methyl-L-proline; C_{30}H_{32}N_{7}O_{17}; 166663-25-8; Antifungal

Anileridine (rINN) a·ni·le·ri·dën
Ethyl 1-(4-aminophenethyl)-4-phenylpiperidine-4-carboxylate; C_{22}H_{28}N_{2}O_{3}; 144-14-9
Analgesic

Antazoline (rINN) an·tä·zö·lën
N-Benzyl-N-(2-imidazolin-2-ylmethyl)aniline; C_{17}H_{19}N_{3}; 91-75-8
• Antazoline Hydrochloride 2508-72-7
Antazoline Phosphate 154-68-7
Antazoline Sulfate 24359-81-7
Histamine H_{1} receptor antagonist; antihistamine

Antilymphocyte Immunoglobulin (Horse) (BAN) see Appendix C

Antithrombin III (rINN) an·ti·throm·bin
The glycoprotein antithrombin obtained from human plasma; antithrombin III human; AT III; 52014-67-2
Anticoagulant factor

Apafurane (rINN) ä·pa·fûr·rän
1,1,1,2,3,3,3-Heptafluoropropane; C_{3}HF_{7}; 431-89-0
Pharmaceutical propellant

Apixaban (rINN) a·piks·á·ban
1-(4-Methoxyphenyl)-7-oxo-6-[4-(2-oxopiperidin-1-yl)phenyl]-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-e]pyridine-3-carboxamide; C_{23}H_{25}N_{5}O_{4}; 503612-47-3
Oral anticoagulant (direct factor Xa inhibitor)
Apolizumab (rINN) a·po·liz·ü·mab
Immunoglobin G1, anti-(human histocompatibility antigen HLA-DR) (human-mouse monoclonal Hu1D10a1-chain), disulfide with human-mouse monoclonal Hu1D10 light chain, dimer
Monoclonal antibody (lymphocyte HLA-DR)

Apomorphine (BAN) ä·pö·mor·fên
6αβ-Apomorphine-10,11-diol; C_{31}H_{39}NO_5; 58-00-4
● Apomorphine Hydrochloride 314-19-2 (anhydrous); 41372-20-7 (hemihydrate)
Dopamine receptor agonist; treatment of Parkinson’s disease

Apraclonidine (rINN) a·pra·klo·ni·dên
2,6-Dichloro-Ν-imidazolidin-2-ylidenephenyldiamine; C_{9}H_{10}Cl_{2}N_{4}; 66711-21-5; AL02145
Apraclonidine Hydrochloride 73218-79-8
Alpha_{2}-adrenoceptor agonist; control of intraocular pressure

Apramycin (rINN) ä·pra·mï·sin
An antimicrobial base produced by Streptomyces tenebrarius; 4-O-[(2S,3R,4aS,6R,7S,8R,8aR)-3-Amino-6-(4-amino-4-deoxy-α-D-glucopyranosyloxy)-8-hydroxy-7-methylaminoperhydro-Ø-pyrano[3,2-b]pyran-2-yl]-2-deoxy-D-streptamine; C_{21}H_{41}N_{5}O_{11}; 37321-09-8
● Apramycin Sulfate
Aminoglycoside antibacterial (veterinary)

Aprepitant (rINN) a·pre·pi·tant
5-[[[(2R,3S)-3-(4-Fluorophenyl)-2-[(1R)-1-[(3,5-bis(trifluoromethyl)phenyl]ethyl]oxy)morpholin-4-yl]methyl]-1,2-dihydro-3H-1,2,4-triazolin-3-one; C_{23}H_{21}F_{7}N_{4}O_{3}; 170729-80-3
Neurokinin-1 (NK_{1}) receptor antagonist; prevention of nausea and vomiting associated with emetogenic chemotherapy

Aprotinin (rINN) a·prö·tin
A polypeptide proteinase inhibitor; 9004-04-0
Antifibrinolytic

Aprindine (rINN) a·prin·dën
N-(3-Diethylaminopropyl)-N-Indan-2-ylaline; C_{21}H_{30}N_{2}; 37640-71-4; 99170
Class I antiarrhythmic

Arbutamine (rINN) ar·bü·ta·mën
(R)-4-(1-Hydroxy-2-[4-(4-hydroxyphenyl)butylamino]ethyl)-4-pyrano[3,2-b]pyran-2-yl-2-deoxy-D-streptamine; C_{21}H_{31}N_{2}O_{11}; 37321-09-8
Local anaesthetic

Arbutamine Hydrochloride 125251-66-3
Beta-adrenoceptor agonist; cardiac stress testing

Arbutin (rINN) ar·bü·tin
(R)-4-(1-Hydroxy-2-[4-(4-hydroxyphenyl)butylamino]ethyl)-4-pyrano[3,2-b]pyran-2-yl-2-deoxy-D-streptamine; C_{21}H_{31}N_{2}O_{11}; 37321-09-8
Local anaesthetic

Ardacin (rINN) ar·dâ·sin
A mixture of ardicin A, ar dicin B, ar dicin C and ar dicin C_{2}; glycopolypeptide antibiotics derived from the species Kibdelosporangium aridium, strain ATCC 39323; C_{39}H_{29}Cl_{5}N_{10}O_{10}(A); 117742-13-9; AAD 216; SK&F 100814
Feed additive (veterinary)
Argatroban (rINN) ar·ga·trō·ban
(2R,4R)-4-Methyl-1-\{N\2-(3RS)-1,2,3,4-tetrahydro-3-methyl-8-quinolylsulfonyl-L-arginyl\}piperidine-2-carboxylic acid; C\textsubscript{23}H\textsubscript{36}N\textsubscript{6}O\textsubscript{5}S; 74863-84-6 (anhydrous); 141396-28-3 (monohydrate); MCI-9038; MD-805; DK-7419; GN1600
Direct thrombin inhibitor; oral anticoagulant

Arginine Glutamate (INNM) ar·ji·nën gloo·ta·mät
L-Arginine salt of L-glutamic acid; C\textsubscript{6}H\textsubscript{14}N\textsubscript{4}O\textsubscript{2}·C\textsubscript{5}H\textsubscript{9}NO\textsubscript{4}; 74-79-3
Amino acid; nutrient

Argipressin (rINN) ar·ji·presh·sin
[8-Arginine]vasopressin; C\textsubscript{6}H\textsubscript{14}N\textsubscript{4}O\textsubscript{2}·C\textsubscript{5}H\textsubscript{9}NO\textsubscript{4}; 113-79-1
Vasopressin analogue; treatment of diabetes insipidus, bleeding from oesophageal varices

Aripiprazole (rINN) a·ri·pi·pra·zôl
7-{4-[4-(2,3-Dichlorophenyl)piperazin-1-yl]butoxy}-3,4-dihydroquinolin-2(1H)-one; C\textsubscript{23}H\textsubscript{27}Cl\textsubscript{2}N\textsubscript{3}O\textsubscript{2}; 129722-12-9
Dopamine D\textsubscript{2} receptor antagonist; antipsychotic

Arofylline (rINN) a·ro·fi·lën
3-(4-Chlorophenyl)-1-propylxanthine; C\textsubscript{16}H\textsubscript{12}ClN\textsubscript{4}O\textsubscript{2}; 136145-07-8; LAS 31025
Phosphodiesterase IV inhibitor

Arpanilic Acid (rINN) see Appendix C

Artemether (rINN) ar·te·më·ther
(3R,5aS,6R,8aS,9R,10S,12R,12aR)-Decahydro-10-methoxy-3,6,9-trimethyl-3,12-epoxy-12H-pyran-4,3-yl[1,2 \ñ benzodioxepin; C\textsubscript{21}H\textsubscript{29}O\textsubscript{4}; 71963-77-4
Antiprotozoal (malaria)

Artesunate (rINN) ar·te·soo·nät
(3R,5aS,6R,8aS,9R,10S,12R,12aR)-Decahydro-3,6,9-trimethyl-3,12-epoxy-12H-pyran-4,3-yl[1,2 \ñ benzodioxepin-10-yl hydrogen succinate; C\textsubscript{25}H\textsubscript{34}O\textsubscript{7}; 182824-33-5
Antiprotozoal (malaria)

The symbol ‘—’ in systematic chemical names signifies line continuation
Articaine (rINN) ar-ti-kän
Methyl 4-methyl-3-(2-propylaminopropionamido)thiophene-2-carboxylate; C_{13}H_{20}N_{2}O_{3}S; 23964-58-1
**Articaine Hydrochloride** 23964-57-0
Local anaesthetic

[Chemical structure image]

- **Ascorbic Acid** (rINN) as-körbik
L-Ascorbic acid; vitamin C; C_{6}H_{8}O_{6}; 50-81-7; component in many proprietary preparations

- **Sodium Ascorbate** 134-03-2
Vitamin C

Ascorbyl Gamolenate (rINN) see Appendix C

Asenapine (rINN) a-ser-a-pén
(3aRS,12bRS)-5-Chloro-2-methyl-2,3,3a,12b-tetrahydro-1H-dibenzo[2,3:6,7]oxepino[4,5-c]pyrrole; C_{17}H_{16}ClNO; 85650-56-2
Mixed neurotransmitter receptor antagonist; antipsychotic

[Chemical structure image]

Asobamast (rINN) a-so-ba-mast
2-Ethoxyethyl [4-(3-methyl-1,2-oxazol-5-yl)1,3-thiazol-2-yl]oxamate; C_{13}H_{12}N_{2}O_{5}S; 104777-03-9
Histamine H_{1} receptor antagonist; antihistamine

[Chemical structure image]

Asoprisnil (rINN) ä-so-pris-nil
11β-[4-[(E)-(Hydroxyimino)methyl]phenyl]-17β-methoxy-17α-(methoxymethyl)estra-4,9-dien-3-one; C_{29}H_{32}NO_{6}; 163883-88-3
Selective progesterone modulator

[Chemical structure image]

- **Aspartame** (rINN) as-par-täm
(1) (3S)-3-Amino-N-[αS)-(α-methoxycarbonylphenethyl)]-succinamic acid; (2) Methyl-L-aspartyl-L-phenylalaninate;
C_{14}H_{18}N_{2}O_{5}; 53906-69-7
Sweetening agent

Aspirin (BAN) as-pir-in
O-Acetylsalicylic acid; C_{9}H_{8}O_{4}; 50-78-2;
Aspirin Lysine
Salicylate; non-selective cyclo-oxygenase inhibitor; antipyretic; analgesic; anti-inflammatory

[Chemical structure image]

Asulacrine (BAN) see Appendix C
Atazanavir (rINN) a·ta·zan·a·veer
Dimethyl (3S,8S,9S,12S)-9-benzyl-3,12-di-tert-butyl-8-hydroxy-4,11-dioxo-6-[4-(2-pyridyl)benzyl]-2,5,6,10,13-pentazatetradecanedioate; C₃₈H₅₂N₆O₇; 198904-31-3
Atazanavir Sulfate 229973-97-7; BMS-232632-05
Antiviral (HIV)

Atorvastatin (rINN) a·tor·va·sta·tin
(3R,5R)-7-[2-(4-Fluorophenyl)-5-isopropyl-3-phenyl-4-(phenylcarbamoyl)pyrrol-1-yl]-3,5-dihydroxyheptanoic acid; C₃₃H₃₅FN₂O₅; 134523-00-5
• Atorvastatin Calcium 134523-03-8
HMG Co-A reductase inhibitor; lipid-regulating drug

Atenolol (rINN) a·te·no·lol
(RS)-4-(2-Hydroxy-3-isopropylaminopropoxy)phenylacetamide; C₁₄H₂₂N₂O₃; 29122-68-7
Beta-adrenoceptor antagonist

Atipamezole (rINN) a·ti·pa·me·zôl
4-(2-Ethylindan-2-yl)imidazole; C₁₄H₁₆N₂; 104054-27-5
Atipamezole Hydrochloride 104075-48-1
Alpha₂-adrenoceptor antagonist; reversal of sedative effect of medetomidine (veterinary)

Atomoxetine (rINN) a·tö·moks·te·nin
(3R)-N-Methyl-3-(2-methylphenoxy)-3-phenylpropan-1-amine; C₁₇H₂₁NO; 83105-26-3
Atomoxetine Hydrochloride 82248-59-7
Noradrenaline reuptake inhibitor; treatment of attention deficit hyperactivity disorder (ADHD)

Atosiban (rINN) a·tö·si·ban
[1-(3-Sulfanylpropanoyl), 2-(4-O-ethyltyrosine), 4-L-threonine-8-L-ornithine]oxytocin; C₄₃H₆₇N₁₁O₁₂S₂; 90779-69-4
Oxytocin antagonist; treatment of premature labour

Atovaquone (rINN) a·tö·va·kwôn
2-(trans-4-(4-Chlorophenyl)cyclohexyl)-3-hydroxy-1,4-naphthoquinone; C₂₂H₁₉ClO₃; 95233-18-4
Antiprotozoal (malaria)

Atracurium Besilate (rINN) a·tra·kûr·rë·um
2,2’-(3,11-Dioxo-4,10-dioxatridecamethylene)bis(1,2,3,4-tetrahydro-6,7-dimethoxy-2-methyl-1-veratrylsinoquinolinium) dibenzenesulfonate; C₇₀H₇₀N₁₄O₁₈S₂; 64228-81-5; 33A74
Non-depolarizing neuromuscular blocker

The symbol ‘−’ in systematic chemical names signifies line continuation
Atropine (BAN) a·trö·pën
(1R,3r,5S)-Tropan-3-yl (RS)-tropate; C17H23NO3; 51-55-8
- Atropine Methobromide 2870-71-5
- Atropine Methonitrate 52-88-0
- Atropine Sulfate 5908-99-6
Anticholinergic

Avanafil (rINN) a·va·na·fil
4-(((3-Chloro-4-methoxyphenyl)methyl)amino)-2-((2S)-2-(hydroxymethyl)pyrrolidin-1-yl)-N-((pyrimidin-2-yl) methyl)pyrimidine-5-carboxamide; C23H26ClN7O3; 330784-47-9
Selective inhibitor of cyclic GMP specific phosphodiesterase (Type V) with vasodilator action; treatment of male erectile dysfunction

Auranofin (rINN) or·ra·nö·fin
S-(Triethylphosphoranylidaurio)-1-thio-β-D-glucopyranose 2,3,4,6-tetra-acetate; C20H34AuO9PS; 330784-47-9
Gold salt; treatment of rheumatoid arthritis

Avibactam (rINN) a·vi·bak·tam
(1R,2S,5R)-7-Oxo-6-sulfo-oxy-1,6-diazabicyclo[3.2.1]octane-2-carboxamide; C7H11N3O6S; 1192500-31-4
Beta-lactamase inhibitor

Avilamycin (rINN) a·vi·la·mï·sin
An antibacterial obtained from cultures of Streptomyces viridochromogenes, or the same substance produced by any other means; consists mainly of avilamycin A; 58051-71-1;
Avilamycin A: O-(1R)-4-C-acetyl-6-deoxy-2,3-O-methylene-β-D-galactopyranosylidene-(1→3)-O-isobutyryl-α-L-lyxopyranosyl O-2,6-dideoxy-4-O-(3,5-dichloro-4-hydroxy-6-methyl-o-anisoyl)-β-D-arabinohexopyranosyl-(1→4)-O-2,6-dideoxy-β-D-arabinohexopyranosylidene-(1→3)-O-2,6-dideoxy-3-C-methyl-β-D-arabinohexopyranosyl-(1→3)-O-6-deoxy-4-O-methyl-β-D-galactopyranosyl-(1→4)-2,6-di-O-methyl-β-D-mannopyranoside; C61H88Cl2O32; 69787-80-0
Antibacterial (veterinary)
Aviptadil (rINN) a·vip·ta·dil
Vasoactive intestinal polypeptide; 40077-57-4
Analogue of vasoactive intestinal peptide
aviptadil has the following amino acid sequence:

\[
\text{H}_2\text{N}-\text{His}-\text{Ser}-\text{Asp}-\text{Ala}-\text{Val}-\text{Phe}-
\text{Tyr}-\text{Asn}-\text{Tyr}-\text{Thr}-\text{Arg}-\text{Leu}-
\text{Arg}-\text{Lys}-\text{Gln}-\text{Met}-\text{Ala}-\text{Val}-\text{Lys}-
\text{Lys}-\text{Tyr}-\text{Leu}-\text{Asn}-\text{Ser}-\text{Ile}-\text{Leu}-
\text{Asn}-\text{NH}_2
\]

Avizafone (rINN) a·vï·za·fön
\(1\)-Lysyl-(2´-benzoyl-4´-chloro-N´-methyl)glycinanilide; C\(_22\)H\(_{27}\)ClN\(_4\)O\(_3\); 65617-86-9; Ro 03-7355/000
Avizafone Hydrochloride 60067-16-3; Ro 03-7355/002
Benzodiazepine

Avoparcin (rINN) ä·vö·par·sin
A glycopeptide antibacterial obtained from cultures of Streptomyces candidus or the same substance obtained by any other means; 37332-99-3
Glycopeptide antibiotic drug (veterinary)

Axitinib (rINN) aks·i·tin·ib
\(N\)-Methyl-2-(3-[[1E]-2-(pyridin-2-yl)ethenyl]-1H-indazol-6-yl)sulfanyl)benzamide; C\(_{22}\)H\(_{18}\)N\(_4\)OS; 319460-85-0
Tyrosine kinase inhibitor (VEGF receptors); treatment of renal cell carcinoma

Azacitidine (rINN) as·á·sit·i·dën
4-Amino-1-\(\beta\)-d-ribofuranosyl-1,3,5-triazin-2(1H)-one; C\(_9\)H\(_{12}\)N\(_4\)O\(_5\); 320-67-2;
Cytidine analogue; antimetabolite antineoplastic; treatment of haematological carcinomas

Azacyclonol (rINN) ä·za·sï·klö·nol
\(\alpha\)-Phenyl-\(\alpha\)-4-piperidylbenzyl alcohol; C\(_{14}\)H\(_2\)NO; 115-46-8
Histamine \(H_1\) receptor antagonist; antihistamine

Azalomycin (rINN) a·zá·lô·mi·sin
A mixture of related macrolide antibiotics produced by Streptomyces hygroscopicus var. azalomyceticus; 54182-65-9
Antibacterial

Azamethiphos (BAN) ä·za·me·thi·fos
S-[[6-Chloro-2,3-dihydro-2-oxo-[1,3]oxazolo[4,5-b]pyridin-3-yl]methyl] O,O-dimethyl phosphorothioate; C\(_9\)H\(_{10}\)ClN\(_2\)O\(_5\)PS; 35575-96-3; CGA 18809; OMS No 1825
Organophosphorus insecticide

Azamethonium Bromide (rINN) ä·za·me·thö·në·um
2,2´-Methyliminobis(diethyldimethylammonium) dibromide; C\(_{13}\)H\(_{33}\)Br\(_2\)N\(_3\); 306-53-6
Ganglion blocker

Azanidazole (rINN) ä·za·nï·da·zôl
4-[[\(1E\)-2-(1-Methyl-5-nitroimidazol-2-yl)vinyl]pyrimidin-2-ylamine; C\(_9\)H\(_8\)N\(_6\)O\(_2\); 62973-76-6
Antiprotozoal

Azaperone (rINN) ä·za·pe·rön
4´-Fluoro-4-[4-(2-pyridyl)piperazin-1-yl]butyrophenone; C\(_{19}\)H\(_{22}\)F\(_2\)N\(_3\)O\(_2\); 1649-18-9
Dopamine receptor antagonist; antipsychotic (veterinary)
Azapetine (BAN) ä·za·pe·tën
6-Allyl-6,7-dihydro-5H-dibenz[e,c]azepine; C₁₇H₁₇N; 146-36-1
Azapetine Phosphate 130-83-6
Alpha-adrenoceptor agonist

Azapropazone (rINN) ä·za·prö·pa·zön
5-Dimethylamino-9-methyl-2-propylpyrazolo[1,2-a][1,2,4]benzotriazine-1,3(2H)-dione; C₁₆H₂₀N₄O₂; 13539-59-8
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Azaribine (rINN) see Appendix C

Azatadine (rINN) ä·za·ta·dën
6,11-Dihydro-11-(1-methyl-4-piperidylidene)-5H-benzo[5,6]cyclohepta[1,2-b]pyridine; C₂₀H₂₂N₂; 3964-81-6
Azatadine Maleate 3978-86-7
Histamine H₁ receptor antagonist; antihistamine

Azatadine (rINN) ä·za·ta·dën
6-Allyl-6,7-dihydro-5H-dibenz[e,c]azepine; C₁₇H₁₇N; 146-36-1
Azapetine Phosphate 130-83-6
Alpha-adrenoceptor agonist

Azetepa see Azatipe

Azidamfenicol (rINN) a·zï·dam·fe·ni·kol
2-Azido-N((αR,βR)-β-hydroxy-α-hydroxymethyl-4-nitrophenethyl)acetamide; C₁₁H₁₃N₅O₅; 13838-08-9
Antibacterial

Azidocillin (rINN) a·zï·dö·si·lin
6-(d-2-Azido-2-phenylacetamido)penicillanic acid; C₁₆H₁₇N₅O₄S; 17243-38-8; BRL 2534; SPC 297D
Penicillin antibacterial

Azilsartan (rINN) az·il·sar·tan
2-Ethoxy-1-[(2’-(5-oxo-4,5-dihydro-1,2,4-oxadiazol-3-yl)-1,1’-biphenyl-4-yl)methyl]-1H-benzimidazole-7-carboxylic acid; C₂₆H₂₀N₂O₈S; 147403-03-0
Angiotensin II (AT₁) receptor antagonist
Azilsartan Medoxomil (rINN)  
(5-Methyl-2-oxo-1,3-dioxol-4-yl)methyl 2-ethoxy-1-[(2`-5-oxo-4,5-dihydro-1,2,4-oxadiazol-3-yl)-1,1`-biphenyl-4-yl]methyl-1H-benimidazol-7-carboxylate;  
C₃₆H₄₂N₄O₈; 863031-21-4  
Angiotensin II (AT₂) receptor antagonist

Azimilide (rINN) a·zim·i·lid  
(E)-1-[[5-(4-Chlorophenyl)furfurylidene]amino]-3-[4-(4-methyl)piperazin-1-yl]butyl]imidazolidine-2,4-dione;  
C₂₃H₂₈ClN₅O₃; 149908-53-2; NE-10064  
Azimilide Hydrochloride (2HCl) 149888-94-8  
Potassium channel blocker; antiarrhythm

Azithromycin (rINN) a·zi·thrö·mi·sin  
(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)-13-(2,6-Dideoxy-3-C,3-O-dimethyl-α-L-ribo-hexopyranosyloxy)-2-ethyl-3,4,10-trihydroxy-3,5,6,8,10,12,14-heptamethyl-11-(3,4,6-trideoxy-3-dimethylamino-β-D-xylo-hexopyranosyloxy)-1-oxa-6-azacyclopentadecan-15-one;  
C₃₈H₇₂N₂O₁₂; 83905-01-5  
Macrolide antibacterial

Azlocillin (rINN) see Appendix C

Aztreonam (rINN) az·trē·ö·nam  
(Z)-2-[(2-Amino-1,3-thiazol-4-yl)-{[2S,3S]-2-methyl-4-oxo-1-sulfoazetidin-3-y]carbomoyl}methyleneoxy]-2-methylpropionic acid;  
C₁₉H₁₇N₃O₇S₂; 78110-38-0  
Monobactam antibacterial

Azuresin (BAN) a·zûr·re·sin  
7-Aminophenothiazin-3-ylidene(dimethyl)ammonium chloride;  
C₁₄H₁₄ClN₃S; 8050-34-8;  
Dyestuff; diagnostic agent; cationic exchange resin

Bacampicillin (rINN) ba·kam·pi·sin  
1-(Ethoxycarbonyloxy)ethyl 6-α-(o-phenylglycylamino) penicillanate;  
C₂₁H₂₇N₃O₇S; 50972-17-3  
• Bacampicillin Hydrochloride 37661-08-8  
Penicillin antibacterial  
and enantiomer C⁺

Bacitracin (rINN) ba·si·trä·sin  
One or more antimicrobial polypeptides produced by certain strains of Bacillus licheniformis and Bacillus subtilis var·Tracy;  
1405-87-4  
• Bacitracin Zinc 1405-89-6  
Polypeptide antibacterial

Baclofen (rINN) ba·klö·fen  
4-Amino-3-(4-chlorophenyl)butyric acid;  
C₁₀H₁₂ClNO₂; 1134-47-0  
Skeletal muscle relaxant

The symbol ‘~’ in systematic chemical names signifies line continuation
Balipramine see Depramine

**Balsalazide** (rINN) bal-sal-a-zíd
(E)-5-[(2-Carboxyethylcarbamoyl)phenylazo]-2-hydroxybenzoic acid; C₁₇H₁₅N₃O₆; 80573-04-2
**Balsalazide Sodium** 150399-21-6 (disodium, dihydrate)
Aminosalicylate; treatment of ulcerative colitis

**Bambermycin** (rINN) bam-ber-mī-sin
An antibacterial complex containing mainly moenomycins A and C obtained from cultures of *Streptomyces bambergiensis* or the same substance obtained by any other means; 11015-37-5
*Antibacterial (veterinary)*

**Bambuterol** (rINN) bam-bü-ter-ol
(RS)-5-(2-tert-Butylamino-1-hydroxyethyl)-m-phenylene bis(dimethylcarbamate); C₁₈H₂₉N₃O₅; 81732-65-2
*Bambuterol Hydrochloride*
Beta₂-adrenoceptor agonist; bronchodilator

**Bamethan** (rINN) ba-me-thàn
2-Butylamino-1-(4-hydroxyphenyl)ethanol; C₁₂H₉NO₂; 3703-79-5
**Bamethan Sulfate** 5716-20-1
Vasodilator; treatment of peripheral vascular disease

**Bamipine** (rINN) ba-mi-pën
N-Benzyl-N-(1-methyl-4-piperidyl)aniline; C₁₉H₂₄N₂; 4945-47-5
*Histamine H₁ receptor antagonist; antihistamine*

**Bamiproprazine** (rINN) ba-mi-prō-zin
5-(8-Dimethylamino-7-methyl-5-quinolylmethyl)pyrimidin-2,4-diylidamine; C₁₇H₂₀N₆; 102280-35-3
*Antibacterial (veterinary)*

**Barbital** (rINN) see Appendix C

**Basiliximab** (rINN) ba-si-lik-sī-mab
Immunoglobulin G1 (human–mouse monoclonal CHI621 heavy chain anti-human interleukin 2 receptor), disulfide with human–mouse monoclonal CHI621 light chain, dimer; 179045-86-4
*Monoclonal antibody (CD-25 antigen of the interleukin receptor on T lymphocytes)*

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**Balsalazide**

![Chemical Structure of Balsalazide](image1)

**Bambuterol**

![Chemical Structure of Bambuterol](image2)

**Bamethan**

![Chemical Structure of Bamethan](image3)

**Bamipine**

![Chemical Structure of Bamipine](image4)

**Bamiproprazine**

![Chemical Structure of Bamiproprazine](image5)

**Barbital**

![Chemical Structure of Barbital](image6)

**Basiliximab**

![Chemical Structure of Basiliximab](image7)
Batimastat (rINN) bat·ti·ma·stat
(2S,3R)-N^1-Hydroxy-3-isobutyl-N^1-[((S)-α-(methylcarbamoyl)-3-phenethyl]-2-(2-thienyliothiomethyl)succinamide; C_{23}H_{31}N_3O_4S_2; 130370-60-4; BB-94
Matrix metalloproteinase inhibitor; cytotoxic

Beclamid (rINN) be·klä·mid
N-Benzyl-3-chloropropionamide; C_{10}H_{12}ClNO; 501-68-8
Antiepileptic

Beclomethasone (rINN) be·klö·me·ta·sön
9a-Chloro-11β,17α,21-trihydroxy-16β-methylpregna-1,4-diene-3,20-dione; C_{22}H_{23}ClO_5; 4419-39-0
• Beclomethasone Dipropionate 5534-09-8
Glucocorticoid

Becaplermin (rINN) be·ka·pler·min
Recombinant human platelet-derived growth factor B; a recombinant protein produced by genetically engineered Saccharomyces cerevisiae cells that is similar in amino acid composition and biological activity to the endogenous human PDGF-BB homodimer; RWJ 60235
Recombinant human platelet-derived growth factor B; treatment of diabetic skin ulcers
For labelling purposes the following three-letter code, to indicate the method of production is approved:
(rys) produced by fermentation using Saccharomyces cerevisiae containing a recombinant plasmid

beclamid has the following amino acid sequence:

\[
\begin{array}{cccccccc}
\text{dimer} & \text{SLGSLTIABP} & \text{AMIABCRTT} & \text{EVFEISRRLI} \\
\text{dimer} & \text{DRTNNAPFLW} & \text{PFCVQVQCS} & \text{GCCNREMQC} \\
\text{dimer} & \text{RFTQVQPRPV} & \text{QVRKIEIVR} & \text{KPFKATVT} \\
\text{dimer} & \text{LEDHLACKCE} & \text{TVAAARPVT} \\
\end{array}
\]

Beclobrate (rINN) be·klö·brät
Ethyl 2-(4-p-Chlorobenzylphenoxy)-2-methylbutyrate; C_{15}H_{22}ClO_2; 55937-99-0
Fibrate; lipid-regulating drug

Bedaquiline (rINN) bed·a·kwē·lēn
(1R,2S)-1-(6-Bromo-2-methoxyquinolin-3-yl)-4-(dimethylamino)-2-(naphthalen-1-yl)-1-phenylbutan-2-ol; C_{32}H_{31}BrN_2O_2; 843663-66-1
Bedaquiline Fumarate 845533-86-0
Antituberculosis drug

Belimumab (rINN) be·lim·ü·mab
Immunoglobulin G1, anti-(human cytokine BAFF) (human monoclonal LymphoStat-B heavy chain), disulfide with human monoclonal LymphoStat-B λ-chain, dimer; 356547-88-1
Monoclonal antibody (inhibitor of B-lymphocyte stimulator, BLyS); immunomodulator

Bemegride (rINN) be·me·grïd
3-Ethyl-3-methylglutarimide; C_{8}H_{13}NO_2; 64-65-3
Respiratory stimulant

Bemetizide (rINN) be·me·ti·zïd
6-Chloro-3,4-dihydro-3-(1-phenylethyl)-2H-1,2,4-benzothiadizine-7-sulfonamide 1,1-dioxide; C_{14}H_{14}ClN_2O_4S_2; 1824-52-8
Thiazide diuretic

The symbol ‘−’ in systematic chemical names signifies line continuation
Bemiparin Sodium\(^{\text{rINN}}\) be·mi·pa·rin
Sodium salt of depolymerised heparin obtained by alkaline degradation of quaternary ammonium salt of heparin from pork intestinal mucosa: the majority of the components have a 2-O-sulfo-4-erythro-hex-ene-pyranosuronic acid at the non-reducing end and a 2-N,6-O-disulfo-D-glucosamine structure at the reducing end; the average molecular weight is 3600 (3000 to 4200); the degree of sulfatation is about 2 per disaccharide unit; 9041-08-1
Low molecular weight heparin

Benactyzine\(^{\text{rINN}}\) be·nak·ti·zen
2-Diethylaminoethyl benzilate; C\(_{20}\)H\(_{25}\)NO\(_3\); 302-40-9
Anticholinergic

Benaprizine\(^{\text{rINN}}\) see Appendix C

Benazepril\(^{\text{rINN}}\) be·nä·ze·pril
\[(3S)-3-[\{1(S)-1-Ethoxycarbonyl-3-phenylpropylamino\}-2,3,4,5-tetrahydro-2-oxo-1H-1-benazepin-1-yl]acetic acid;
C\(_{24}\)H\(_{28}\)N\(_2\)O\(_5\); 86541-75-5
\* Benazepril Hydrochloride 86541-74-4
Angiotensin converting enzyme inhibitor (veterinary)

Benadustine\(^{\text{rINN}}\) ben·dá·muss·tén
4-\{5-\{Bis(2-chloroethyl)amino\}-1-methylbenzimidazol-2-yl\}butanoic acid; C\(_{16}\)H\(_{14}\)Cl\(_2\)N\(_3\)O\(_2\); 16506-27-7;
Benadustine Hydrochloride 3543-75-7
Antineoplastic alkylating agent; treatment of haematological malignancies

Bendamustine\(^{\text{rINN}}\) ben·dá·muss·tén
4-\{5-\{Bis(2-chloroethyl)amino\}-1-methylbenzimidazol-2-yl\}butanoic acid; C\(_{16}\)H\(_{14}\)Cl\(_2\)N\(_3\)O\(_2\); 16506-27-7;
Benadustine Hydrochloride 3543-75-7
Antineoplastic alkylating agent; treatment of haematological malignancies

Bendazac\(^{\text{rINN}}\) ben·da·zak
(1-Benzylindazol-3-yl)acetic acid; C\(_{14}\)H\(_{15}\)N\(_2\)O\(_2\); 20187-55-7
Bendazac Lysine 81919-14-4; AF 1934
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Benfluorex\(^{\text{rINN}}\) ben·fluo·reks
2-\{(1RS)-1-Methyl-2-\{3-(trifluoromethyl)phenyl\}ethyl\}amino)ethyl benzoate; C\(_{19}\)H\(_{20}\)F\(_3\)N\(_2\)O\(_2\); 23602-78-0

Benfluorex Hydrochloride 23642-66-2
Lipid-regulating drug

Benozaprofen\(^{\text{rINN}}\) see Appendix C

Bendrofluazide see Bendroflumethiazide

Benethamine Penicillin\(^{\text{rINN}}\) be·ne·tha·mën
Benzyll[phenethyl]ammonium (6R)-6-(2-phenylacetamido)-\(\sim\) penicillanate; C\(_{16}\)H\(_{17}\)N\(_2\)O\(_4\)S.C\(_{16}\)H\(_{18}\)N; 751-84-8
Penicillin antibacterial

Benfluorex\(^{\text{rINN}}\) ben·fluo·reks
2-\{(1RS)-1-Methyl-2-\{3-(trifluoromethyl)phenyl\}ethyl\}amino)ethyl benzoate; C\(_{19}\)H\(_{20}\)F\(_3\)N\(_2\)O\(_2\); 23602-78-0

Benfluorex Hydrochloride 23642-66-2
Lipid-regulating drug

Benorilate\(^{\text{rINN}}\) be·no·ri·lät
4-Acetamidophenyl O-acetylsalicylate; C\(_{17}\)H\(_{15}\)NO\(_5\); 5003-48-5
Salicylate-paracetamol derivative; antipyretic; analgesic; anti-inflammatory

Benoxaprofen\(^{\text{rINN}}\) see Appendix C
Benperidol (rINN) ben·pe·ri·dol
1-{1-[3-(4-Fluorobenzoyl)propyl]-4-piperidyl}benzimidazolin-2-one; C₂₂H₂₄FN₃O₂; 2062-84-2
Dopamine receptor antagonist; antipsychotic

Benserazide (rINN) ben·se·ra·zïd
2-Amino-3-hydroxy-2′-(2,3,4-trihydroxybenzyl)-propionohydrazide; C₁₀H₁₅N₃O₅; 322-35-0
Benserazide Hydrochloride 14919-77-8
Dopa decarboxylase inhibitor

Bensuludic Acid (rINN) ben·sul·dä·zik
(5-Benzyl-6-thioxo-1,3,5-thiadiazin-3-yl)acetic acid; C₁₂H₁₄N₂O₂S₂; 1219-77-8
Sodium Bensuludate 1950-15-8
Antifungal (veterinary)

Bentiromide (rINN) ben·ti·rö·mïd
4-((N-Benzoyl-L-tyrosylamino)benzoic acid; C₂₃H₂₀N₂O₅; 37106-97-1; Ro 11-7891
Diagnostic aid

Benzatropine (rINN) ben·za·trö·pën
(1R,3r,5S)-3-Benzhydryloxytropane; C₉H₁₃NO; 86-13-5
• Benzatropine Mesilate 132-17-2
Anticholinergic

Benzbromarone (rINN) benz·brö·ma·rön
3,5-Dibromo-4-hydroxyphenyl 2-ethylbenzofuran-3-yl ketone; C₁₇H₁₂Br₂O₃; 3362-84-3
Uricosuric; treatment of hyperuricaemia

Benzestrol (rINN) benz·ë·s·trol
4,4′-(1,2-Diethyl-3-methyltrimethylene)diphenol; C₂₀H₂₆O₂; 85-95-0
Estrogen

Benzethidine (rINN) see Appendix C

Benzalkonium Chloride (rINN) ben·za·kō·ne·um
Alkylbenzyltrimethylammonium chlorides; 8001-54-5
Antiseptic

Benzathine Benzylenamid (rINN) ben·za·thïn·ben·zil
N,N′-Dibenzylenamidinium bis[(6R)-6-(2-phenyl-3-acetamido)penicillanate]; (C₁₀H₁₇N₂O₄)₁₂.C₁₀H₂₂N₂; 1538-09-6
Penicillin antibacterial

The symbol ‘〜’ in systematic chemical names signifies line continuation
Benzphetamine (rINN) benz·fe·ten·a·mën
(+)-N-Benzyl-N,α-dimethylphenethylamine; C₁₅H₁₉N; 156-08-1
Amphetamine analogue

Benzhexol see Trihexyphenidyl

Benzilone Bromide (rINN) ben·zi·lo·né·um
3-Benziloyloxy-1,1-diethylpyrrolidinium bromide; C₂₂H₂₈BrNO₃; 1050-48-2
Anticholinergic

Benzoctamine (rINN) see Appendix C

Benzoctenate (rINN) ben·zo·na·tät
3,6,9,12,15,18,21,24,27-Nonaaxaoctacosyl 4-butylamino-1-
benzoate; C₅₃H₇₅NO₁₁; 104-31-4
Cough suppressant

Benzphetamine see Benzphetamine
**Bepridil** (rINN) be·pri·dil

*N*-Benzyl-*N*-(3-isobutoxy-2-pyrrolidin-1-ylpropyl)aniline;
C₉₂H₁₃N₂O; 64706-54-3

**Bepridil Hydrochloride** 74764-40-2; Org 5730
Calcium channel blocker

![Bepridil structure](image)

**Beractant** (BAN) be·rak·tant
A modified bovine lung extract containing mostly phospholipids, modified by the addition of dipalmitoyl–
phosphatidyl choline (DPPC), palmitic acid and tripalmitin;
108778-82-1
Lung surfactant

**Bertilimumab** (rINN) ber·ti·li·mü·mab
Immunoglobulin G4, anti-(human eotaxin 1) (human monoclonal CAT-213 γ4-chain), disulfide with human monoclonal CAT 213 γ-chain, dimer; 375348-49-5
Immunomodulator

**Besilesomab** (rINN) bessi·le·zö·mab
Immunoglobulin G1, anti-(human CEA (carcinoembryonic antigen)-related antigen) (mouse monoclonal BW 250/183 heavy chain), disulfide with mouse monoclonal BW 250/183κ-chain, dimer; 537694-08-7
Monoclonal antibody (CEA-related)

**Betacarotene** (rINN) bë·ta·ka·rö·tën
(all-E)-β-β-Carotene; C₄₀H₅₆; 7235-40-7
Precursor of vitamin A; treatment of vitamin A deficiency; reduction in severity of photosensitivity reactions

**Betadex** (rINN) bë·ta·deks
Cyclo-α-(1→4)-d-heptaglucopyranoside;
C₂₀H₄₀O₁₅; 7585-39-0
Carrier molecule for drug delivery systems

**Betahistine** (rINN) bë·ta·his·ten
Methyl-2-(2-pyridyl)ethylamine; C₈H₁₂N₂; 5638-76-6
**Betahistine Dihydrochloride** 5579-84-0
**Betahistine Mesilate** 54856-23-4
Histamine H₁ receptor antagonist; antihistamine

**Betameprodine** (rINN) bë·ta·me·prö·dën
(3S,4S)-3-Ethyl-1-methyl-4-phenyl-4-piperidyl propionate;
C₁₃H₂₃NO₂; 468-50-8
Opioid receptor agonist; analgesic

**Betacyethylmethadol** (rINN) bë·ta·së·fil·meth·a·dol
4-Dimethylamino-1-ethyl-2,2-diphenylpentyl acetate (β-form);
C₂₁H₂₁NO₂; 17199-59-6
Opioid receptor agonist; analgesic

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The symbol ‘∼’ in systematic chemical names signifies line continuation
Betamethadol (rINN) bë·ta·me·tha·dol
6-Dimethylamino-4,4-diphenylheptan-3-ol (β-form); C21H29NO; 17199-55-2
Opioid receptor agonist; analgesic

Betamethasone (rINN) bë·ta·me·tha·sön
9α-Fluoro-11β,17α,21-trihydroxy-16β-methylpregna-1,4-diene-3,20-dione; C22H29FO5; 378-44-9
Betamethasone Acetate 987-24-6
Betamethasone Adamantoate 40242-27-1
Betamethasone Dipropionate 5593-20-4
Betamethasone Sodium Phosphate 151-73-5
Betamethasone Valerate 2152-44-5
Glucocorticoid

Betamethasone Acibutate (rINN) bë·ta·me·tha·sön a·si·bü·tät
9α-Fluoro-11β-hydroxy-16β-methyl-3,20-dioxopregna-1,4-diene-17,21-diyl 21-acetate 17-isobutyrate; C28H37FO7; 5534-05-4
Glucocorticoid

Betanidine (rINN) be·ta·ni·dën
2-Benzyl-1,3-dimethylguanidine; C10H15N3; 55-73-2
Betanidine Sulfate 114-85-2
Adrenergic neuron blocker

Betaprodine (rINN) bë·ta·pro·dı·né
(3S,4S)-1,3-Dimethyl-4-phenyl-4-piperidyl propionate;
C16H23NO; 468-59-7
Opioid receptor agonist; analgesic

Betaxolol (rINN) bë·taks·o·lol
1-[4-(2-Cyclopropylmethoxyethyl)phenoxy]-3-isopropyl-aminopropan-2-ol; C19H28NO; 63659-18-7
Betaxolol Hydrochloride 63659-19-8
Beta-adrenoceptor antagonist

Bethanechol Chloride (BAN) be·tha·ne·kol
2-Carbamoyloxypropyltrimethylammonium chloride; C7H17ClN2O2; 590-63-6
Cholinoceptor agonist

Betaprodine (rINN) bë·ta·pro·dı·né
(3S,4S)-1,3-Dimethyl-4-phenyl-4-piperidyl propionate;
C16H23NO; 468-59-7
Opioid receptor agonist; analgesic

Betaxolol (rINN) bë·taks·o·lol
1-[4-(2-Cyclopropylmethoxyethyl)phenoxy]-3-isopropyl-aminopropan-2-ol; C19H28NO; 63659-18-7
Betaxolol Hydrochloride 63659-19-8
Beta-adrenoceptor antagonist

Bethanechol Chloride (BAN) be·tha·ne·kol
2-Carbamoyloxypropyltrimethylammonium chloride; C7H17ClN2O2; 590-63-6
Cholinoceptor agonist

Betanidine see Betanidine

Betiatide (rINN) bë·ti·a·tïd
[(Benzoylthio)acetyl]glycylglycylglycine; C15H17N3O6S; 103725-47-9
Non-radioactive chemical precursor for diagnostic imaging radiopharmaceutical

Bevacizumab (rINN) be·va·si·zu·mab
Immunoglobulin G1 (human-mouse monoclonal rhuMAb-VEGF γ-chain anti-human vascular endothelial growth factor), disulfide with human-mouse monoclonal rhuMAb-VEGF light chain, dimer; 216974-75-3
Monoclonal antibody (VEGF); antineoplastic
bevacizumab has the following amino acid sequence:

![Chemical Structure of Bevacizumab]

**Bevantolol** (rINN) be vānˈtə-lōl
1-(3,4-Dimethoxyphenethylamino)-3-m-tolyloxypropan-2-ol; C₂₀H₂₇NO₄; 59170-23-9
**Bevantolol Hydrochloride** 42864-78-8; Cl 775
Beta-adrenoceptor antagonist

**Bevonium Metilsulfate** (rINN) be·vō̃·nyō̃·ə·më·thë̃l·sul·fät
2-Benziloyloxymethyl-1,1-dimethylpiperidinium methylsulfate, C₂₃H₃₁NO₇S; 5205-82-3
Anticholinergic

**Bexarotene** (rINN) bēkəˈroʊˌtēn
4-[1-(5,6,7,8-Tetrahydro-3,5,5,8,8-pentamethyl-2-naphthyl)vinyl]benzoic acid; C₂₃H₂₃O₂; 153559-49-0
Retinoid X receptor agonist; treatment of cutaneous T cell lymphoma

**Bezafibrate** (rINN) bē zəˈbrárt
2-[4-[2-(2-Chlorobenzamidomethyl)phenox]]-2-methylpropionic acid; C₁₀H₁₃ClNO₂; 41859-67-0
Fibrate; lipid-regulating drug

**Bezitramide** (rINN) be·ziˈtra·mëd
4-[4-(2,3-Dihydro-2-oxo-3-propionyl-1H-benzimidazol-1-yl)piperidino]-2,2-diphenylbutyronitrile; C₃₁H₃₂N₄O₂; 15301-48-1
Opioid receptor agonist; analgesic

**Bialamicol** (rINN) bēˈaˌlā·më·kōl
3,3′-Diallyl-5,5′-bis(diethylaminomethyl)biphenyl-4,4′-diol; C₁₉H₂₅N₂O₂; 493-75-4
Antiprotozoal

The symbol ‘Ø’ in systematic chemical names signifies line continuation.
**Bibapcitide** (rINN) bï·bap·si·tïd
S\(^3\),S\(^3\)-(Oxybis(methylene)(2,5-dioxopyrrolidin-1,3-diyl)bis[N\(^2\),N\(^5\)-(1-oxoethano)-D-tyrosyl]-L-cysteinylglycyl-L-\(\alpha\)-aspartyl-L-cysteinylglycylglycyl-\(\alpha\)-(acetamidomethyl)-L-cysteinylglycyl-L-cysteinamide; C\(_{112}\)H\(_{162}\)N\(_{36}\)O\(_{43}\)S\(_{10}\); 153507-46-1
Non-radioactive chemical precursor for diagnostic imaging radiopharmaceutical

![Chemical structure of Bibapcitide](image)

**Bibenzonium Bromide** (rINN) bï·ben·zö·num
2-(1,2-Diphenylethoxy)ethyltrimethylammonium bromide; C\(_{19}\)H\(_{26}\)BrNO; 15585-70-3
Cough suppressant

![Chemical structure of Bibenzonium Bromide](image)

**Bicalutamide** (rINN) bï·ka·loo·ta·mid
(RS)-4’-Cyano-\(\alpha\),\(\alpha\),\(\alpha\)-trifluoro-3-(4-fluorophenylsulfonyl)-2-hydroxy-2-methylpropiono-\(\alpha\)-toluidide; C\(_{18}\)H\(_{14}\)F\(_4\)N\(_2\)O\(_4\)S; 90357-06-5
Antiandrogen; treatment of prostate carcinoma

![Chemical structure of Bicalutamide](image)

**Bicromab** (rINN) bï·sï·tö·mab
Mouse T2Gls cell anti-human fibrin II \(\beta\)-chain monoclonal immunoglobulin G Fab’ fragment;
Monoclonal antibody (fibrin antibody)

**Bidimazium Iodide** (rINN) bï·di·mä·zi·um
4-(Biphenyl-4-yl)-2-(4-dimethylaminostyryl)-3-methyl-1,3-thiazolidine iodide; C\(_2\)H\(_{16}\)N\(_2\)S; 21817-73-2; 65-318
Antihelminthic

![Chemical structure of Bidimazium Iodide](image)

**Bifluranol** (rINN) bï·flû·ra·nol
(1R,2S)-4,4’-(1-Methyl-2-ethylhexylene)bis(3-fluorophenol); C\(_{17}\)H\(_{18}\)F\(_2\)O\(_2\); 34633-34-6; BX 341
Benign prostatic hyperplasia

![Chemical structure of Bifluranol](image)

**Biformazol** (rINN) bï·fo·na·zôl
1-(\(\alpha\)-Biphenyl-4-ylbenzyl)imidazole; C\(_{22}\)H\(_{18}\)N\(_2\); BAY h 4502
Antifungal

![Chemical structure of Biformazol](image)

**Bile Salts** (rINN) see Appendix C

**Bimatoprost** (rINN) bï·ma·tö·prost
(Z)-7-{(1R,2R,3R,5S)-3,5-Dihydroxy-2-\{(1E,3S)-3-hydroxy-5-phenylpent-1-ethylcyclopentyl\}-N-ethylhept-5-enamide; C\(_{25}\)H\(_{37}\)NO\(_4\); 155206-00-1
Prostaglandin (PGF\(_{2\alpha}\)) analogue

![Chemical structure of Bimatoprost](image)

**Binodenoson** (rINN) bï·nö·de·nö·son
2-\{(\(\varepsilon\))-2-(Cyclohexylmethylene)hydrazino\}adenosine; C\(_{17}\)H\(_{25}\)N\(_7\)O\(_4\); 144348-08-3
Adenosine A\(_{2A}\) receptor agonist; vasodilator

![Chemical structure of Binodenoson](image)
Bioallethrin (BAN) bǐ-ō-á-lê-thrin
(RS)-3-Allyl-2-methyl-4-oxocyclopent-2-enyl (1R,3R)-2,2-dimethyl-3-(2-methylprop-1-ethyl)cyclopropanecarboxylate; C_{19}H_{26}O_{3}; 584-79-2; 28434-00-6 (3-isomer)
Pyrethroid insecticide

Biperiden (rINN) bǐ-pe-rí-den
1-(Bicyclo[2.2.1]hept-2-en-5-yl)-1-phenyl-3-piperidinopropan-1-ol; C_{21}H_{29}NO; 514-65-8
• Biperiden Hydrochloride 1235-82-1
• Biperiden Lactate 7085-45-2
Anticholinergic

Biphasic Insulin Injection (BAN)
A sterile suspension of beef insulin in a solution of pork insulin; 8063-29-4
Hormone; treatment of diabetes mellitus

Biphasic Isophane Insulin Injection (BAN)
A sterile suspension of beef insulin complexed with protamine in a solution of pork insulin or a sterile suspension of human insulin complexed with protamine in a solution of human insulin; 8063-29-4
Hormone; treatment of diabetes mellitus

Bisacodyl (rINN) bī-sakö-dïl
4,4´-(2-Pyridylmethylene)di(phenyl acetate); C_{22}H_{19}NO_{4}; 603-50-9
Stimulant laxative

Bismuth Glycollylarsanilate see Glycobiarson

Bisoprolol (rINN) bī-so-prō-lol
1-[4-(2-Isopropoxyethoxyethyl)phenoxy]-3-isopropylamino-propan-2-ol; C_{19}H_{30}NO_{4}; 67822-44-9
• Bisoprolol Fumarate 66722-45-0
Beta-adrenoceptor antagonist

Bisoxatin (rINN) bī-soks-ā-tïn
2,2´-Bis(4-hydroxyphenyl)-2H-1,4-benzoxazin-3(4H)-one; C_{12}H_{15}NO_{2}; 17692-24-9
Stimulant laxative

Bithionol (rINN) bī-thi-o-nōl
2,2´-Thiobis(4,6-dichlorophenol); C_{13}H_{6}Cl_{4}O_{2}S; 97-18-7
Antihelminthic

Bitolterol (rINN) bī-tol-te-rol
4-[2-(tert-Butylamino)-1-hydroxyethyl]o-phenylene-di-p-toluate; C_{28}H_{31}NO_{5}; 30392-40-6
• Bitolterol Mesilate 30392-41-7; WIN 32784
Beta2-adrenoceptor agonist; bronchodilator

Bivalirudin (rINN) bī-val-ī-roo-dïn
Direct thrombin inhibitor; anticoagulant

The symbol ‘~’ in systematic chemical names signifies line continuation
**Bleomycin** (rINN) **blë·ö·mï·sin**
A mixture of glycopeptide antibiotics produced by *Streptomyces verticillus*; 11056-06-7
- **Bleomycin Sulfate** 9041-93-4
  Antineoplastic antibacterial

![Bleomycin structure](image)

**Borneaprine** (rINN) **bor·na·prën**
3-Diethylaminopropyl 2-phenylbicyclo[2.2.1]heptane-2-carboxylate; sormodren; C_{24}H_{31}NO_2; 20448-86-6
  Anticholinergic

![Borneaprine structure](image)

**Bosentan** (rINN) **bö·sen·tan**
4-tert-Butyl-N-[6-(2-hydroxyethoxy)-5-(2-methoxyphenoxy)-2,2'-bipyrimidin-4-yl]benzenesulfonamide; C_{23}H_{29}N_3O_6S; 147536-97-8
  Endothelin A receptor antagonist

![Bosentan structure](image)

**Bolmantalate** (rINN) **bol·man·ta·lät**
3-Oxestr-4-en-17β-y1 adamantane-1-carboxylate; C_{29}H_{40}O_3;
1491-81-2
  Androgen

![Bolmantalate structure](image)

**Bosutinib** (rINN) **bö·sü·ti·nib**
4-[2-(4-Dichloro-5-methoxyphenyl)amino]-6-methoxy-7-[3-(4-methylpiperazin-1-yl)propoxy]quinoline-3-carbonitrile; C_{26}H_{28}Cl_2N_4O_3; 380843-75-4
  Tyrosine kinase (dual SRC and BCR-ABL) inhibitor; treatment of chronic myeloid leukaemia

![Bosutinib structure](image)

**Boceprevir** (rINN) **bö·se·pre·vër**
(1R,2S,5S)-N-[(2S)-4-Amino-1-cyclobutyl-3,4-dioxobutan-2-yl]-3-[(2S)-2-[(tert-butylcarbamoyl)amino]-3,3-dimethylbutanoyl]-6,6-dimethyl-3-azabicyclo[3.1.0]hexane-2-carboxamide; C_{27}H_{45}N_5O_5; 179524-69-7
  Hepatitis C virus NS3 protease inhibitor

![Boceprevir structure](image)

**Bortezomib** (rINN) **bor·te·zo·mib**
[(1R)-3-Methyl-1-[(2S)-3-phenyl-2-(pyrazin-2-carboxamido)-2-propanamido]butyl]boronic acid; C_{19}H_{25}BN_4O_4; 179324-69-7
  Proteasome inhibitor; treatment of haematological malignancies

![Bortezomib structure](image)

**Boldenone** (rINN) see Appendix C
Bovactant (BAN) bö-vak-tant  
An extract of bovine lung containing about 92% of phospholipids, 3.2% of cholesterol, 0.6% of surfactant-associated hydrophobic proteins and 0.4% of free fatty acid; mean relative molecular mass of phospholipids, about 760; SF-R1 1  
Lung surfactant

Bovine Fibrin (BAN) see Appendix C

Brentuximab Vedotin (rINN) bren·tux-im·ab  
Brentuximab component: Immunoglobulin G1-kappa auristatin E conjugate, anti-[Homo sapiens TNFSF8 (tumour necrosis factor receptor superfamily member 8, K1-1, CD30)], chimeric monoclonal antibody conjugated to auristatin E; gamma 1 heavy chain (1-446) [Mus musculus VH (IGHV1-84*02 -IGHD)-IGHJ3*01] [8.8.10] (1-117) -Homo sapiens IGHG1*01 CH3 K130=del (118-446)], (220-218')-disulfide (if not conjugated) with kappa light chain (1'1-218') [Mus musculus V-KAPPA (IGKV3-4*01 -IGKJ1*01) [10.3.9] (1'-111') -Homo sapiens IGKC*01 (112'-218')]; (226-226')-disulfide dimer; conjugated, on an average of 3 to 5 cysteinyl, to monomethylauristatin E (MMAE), via a 6-maleimidohexanoyl-valyl-citrullinyl-4-aminobenzylcarbonyl (mc-val-cit-PABC) linker; Vedotin component: 1-(6-{[(2S)-1-{[(2S)-5-Carbamoylamino-1-[(4-[(2S)1-[1(3R,4S,5S)-1-{(2S)-2-[(1R,2R)-3-[(1S,2R)-1-hydroxy-1-phenylpropan-2-yl]amino}-3-methyl-1-oxohexan-4-yl] (methyl)amino]-3-methyl-1-oxobutan-2-yl]amino]-3-methyl-1-oxobutan-2-yl[methylcarbamoxy]phenyl] amino]-1-oxopentan-2-yl]amino]-3-methyl-1-oxobutan-2-yl]amino]-3-methyl-1-oxobutan-2-yl]amino]-6-oxohexyl)-2,5-dioxo pyrrolidin-3-yl; 914088-09-8  
Monoclonal antibody (CD30 specific) conjugated to a microtubule disrupting agent; relapsed or refractory CD30+ Hodgkin’s lymphoma; antineoplastic

Bretylium Tosilate (rINN) bre·ti·li·um  
2-Bromobenzyl-N-ethyldimethylammonium p-toluenesulfonate; C18H24BrNO3S; 61-75-6  
Antiarrhythmic

The symbol ‘−’ in systematic chemical names signifies line continuation
**Brimonidine** (rINN) brĭ-mŏ-ni-dēn
5-Bromoquinolin-6-yl(2-imidazolin-2-yl)amine; C_{11}H_{10}BrN_{5}; 5903-98-4; UK-14304-18
• **Brimonidine Tartrate** 79570-19-7
  Alpha₂-adrenoceptor agonist; treatment of hypertension

**Brinzolamide** (rINN) brĭn-zŏl'a-mīd
(R)-4-(Ethylamino)-3,4-dihydro-2-(3-methoxypropyl)-2H-thieno[3,2-c][1,2]thiazine-6-sulfonamide 1,1-dioxide; C_{7}H_{11}N_{3}O_{5}S; 138890-62-7
Carbonic anhydrase inhibitor; treatment of glaucoma and ocular hypertension

**Brocresine** (rINN) brō-kre-sēn
α-Amino-oxy-6-bromo-m-cresol; C_{6}H_{3}BrNO; 555-65-7
Histidine decarboxylase inhibitor

**Brofezil** (rINN) brō-fe·zil
2-(4-p-Bromophenyl-1,3-thiazol-2-yl)propionic acid; C_{12}H_{10}BrNO_{2}; 17969-45-8

**Bromazine** (rINN) brō-ma·zen
2-(4-Bromobenzhydryloxy)ethyl(dimethyl)amine; C_{10}H_{18}BrNO; 118-23-0
Histamine H_{1} receptor antagonist; antihistamine

**Bromecic Acid** (rINN) see Appendix C

**Bromelains** (rINN) brō-mē lāns
A concentrate of proteolytic enzymes derived from *Ananas comosus* Merr.; 9001-00-7
Proteolytic enzyme

**Bromfenac** (rINN) brom-fen·āk
[2-Amino-3-(4-bromobenzoyl)phenyl]acetic acid; C_{14}H_{12}BrNO_{3}; 91714-94-2
**Bromfenac sodium** 91714-93-1
Cyclo-oxygenase inhibitor; analgesic anti-inflammatory

**Bromhexine** (rINN) brom-heks·ēn
2-Amino-3,5-dibromobenzyl(cyclohexyl)methylamine; C_{14}H_{20}Br_{2}N_{2}; 3572-43-8
**Bromhexine Hydrochloride** 611-75-6
Mucolytic

**Bromindione** (rINN) brō·mĭn·dī·ôn
2-(4-Bromo-1,3-dihydro-5-(2-pyridyl)-1,4-benzodiazepin-2-one; C_{16}H_{18}BrN_{2}O; 1812-30-2
Benzodiazepine

**Bromazepam** (rINN) brō-mă-zē·pam
7-Bromo-1,3-dihydro-5-(2-pyridyl)-1,4-benzodiazepin-2-one; C_{16}H_{18}BrN_{2}O; 1812-30-2
Benzodiazepine

**Bromociclen** (rINN) see Appendix C
Bromocriptine (rINN) brō·mō·krip·tēn
(1) (5’S)-2-Bromo-12’-hydroxy-2’-isopropyl-5’-isobutyl-ergotam-3’,6’,18-trione; (2) 2-Bromo-α-ergocryptine;
C_{32}H_{40}BrN_{5}O_{5}; 25614-03-3
● Bromocriptine Mesilate 22260-51-1
Dopamine receptor agonist

Bromocyclen see Bromociclen

Bromodiphenhydramine see Bromazine

Bromperidol (rINN) brom·pe·ri·dol
4-(4-p-Bromophenyl-4-hydroxypiperidino)-4’-fluorobutyrophenone; C_{21}H_{23}BrFNO_{2}; 10457-90-6; R 11333
● Bromperidol Decanoate 75067-66-2; R 46541
Dopamine receptor antagonist; antipsychotic

Brompheniramine (rINN) brom·fe·nî·ra·mën
3-(4-Bromophenyl)-3-(2-pyridyl)propylidimethylamine; C_{16}H_{19}BrN_{2}; 86-22-6
● Brompheniramine Maleate 980-71-2
Histamine H_{1} receptor antagonist; antihistamine

● Bronopol (rINN) brō·nō·pol
2-Bromo-2-nitropropane-1,3-diol; C_{3}H_{6}BrNO_{2}; 52-51-7
Antibacterial preservative

● Bropirimine (rINN) brō·pi·rim·ēn
2-Amino-5-bromo-6-phenylpyrimidin-4(3H)-one; C_{10}H_{8}BrN_{3}O; 056741-95-8; U54,461S; U-54,461
Immunomodulator

The symbol ‘−’ in systematic chemical names signifies line continuation
Buclizine (rINN) bü·kli·zën
(RS)-1-(4-tert-Butylbenzyl)-4-(4-chlorobenzhydryl)piperazine; C₂₉H₃₁ClN₂; 82-95-1
- Buclizine Hydrochloride 129-74-8
Histamine H₁ receptor antagonist; antiemetic

Buclizine

Buclosamide (rINN) bü·klö·za·mid
N-Butyl-4-chlorosalicylamide; C₁₁H₁₄ClNO₂; 575-74-6
Antifungal

Buclosamide

Budesonide (rINN) bü·de·so·nïd
16α,17α-Butylenedioxy-11β,21-dihydroxypregna-1,4-diene-3,20-dione; C₂₅H₃₄O₆; 51333-22-3
Glucocorticoid

Budesonide

Bufexamac (rINN) bü·feks·a·mak
2-(4-Butoxyphenyl)acetohydroxamic acid; C₁₂H₁₇NO₃; 2438-72-4
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Bufexamac

Buflomedil (rINN) bü·flö·me·dil
2’,4’,6’-Trimethoxy-4-(pyrrolidin-1-yl)butyrophenone; C₁₇H₂₅NO₄; 55837-25-7
- Buflomedil Hydrochloride 3554-24-9
Vasodilator

Buflomedil

Bufuralol (rINN) bü·fur·a·lol
2-tert-Butylamino-1-(7-ethylbenzofuran-2-yl)ethanol; C₁₅H₂₃NO₂; 54340-62-4
Bufuralol Hydrochloride Ro 03-4787
Beta-adrenoceptor antagonist

Bufuralol

Bufylline (BAN) bü·fi·lën
Theophylline salt of 2-amino-2-methylpropan-1-ol (1:1); C₇H₈N₄O₂.C₄H₁₁NO; 5634-34-4
Non-selective phosphodiesterase inhibitor; treatment of reversible airways obstruction

Bufylline

Bumetanide (rINN) bü·me·ta·nïd
3-Butylamino-4-phenoxy-5-sulfamoylbenzoic acid; C₁₃H₁₇N₂O₃S; 28395-03-01
Loop diuretic

Bumetanide

Bunamidine (rINN) bü·na·mi·dën
N₁,N₁-Dibutyl-4-hexyloxy-1-naphthamidine; C₂₂H₃₉N₂O; 3748-77-4
- Bunamidine Hydrochloride 1055-55-6
Antihelminthic

Bunamidine
Bunamiodyl (rINN) bü-na-mi-ö-dï
3-Butyramido-α-ethyl-2,4,6-tri-iodocinnamic acid;
\( C_{15}H_{16}I_{3}NO_{3}; 1233-53-0 \)
Iodinated X-ray contrast medium

Bunamiodyl see Bunamiodyl

Buparvaquone (rINN) bü-par-va-kwön
\( \text{trans-2-(4-tert-Butylcyclohexylmethyl)-3-hydroxy-1,4-naphthoquinone; } C_{21}H_{26}O_{3}; 88426-33-9 \); BW 720C
Antiprotozoal

Buphenine (rINN) bü-fê-nën
1-(4-Hydroxyphenyl)-2-(1-methyl-3-phenylpropylamino)-\( \) propan-1-ol; \( C_{19}H_{25}NO_{2}; 447-41-6 \)
Non-selective beta-adrenoceptor agonist

Bupivacaine (rINN) bü-pi-va-kän
1-Butyl-2-piperidylformoyl-2,6-xylidide; \( C_{18}H_{28}N_{2}O; 2180-92-9 \)
\( \bullet \)Bupivacaine Hydrochloride 14252-80-3 (monohydrate); 180010-40-7 (anhydrous)
Local anaesthetic

Bupropion (rINN) bü-ro-pë-on
\( 2-(\text{tert-Butylamino})-3-\)chloropropiophenone; \( C_{11}H_{18}ClNO; 34911-55-2 \)
Bupropion Hydrochloride 31677-93-7
Antidepressant; smoking cessation

Buquineran (rINN) bü-ki-ner-rän
1-Butyl-3-[1-(6,7-dimethoxyquinazolin-4-yl)-4-piperidyl]urea;
\( C_{20}H_{29}N_{5}O_{3}; 59184-78-0 \); UK-14275
Positive inotrope

Buserelin (rINN) bü-se-re-lï
\( C_{60}H_{86}N_{16}O_{13}; 57982-77-1 \)
Buserelin Acetate 68630-75-1
Gonadotrophin releasing hormone (gonadorelin) analogue; treatment of prostate carcinoma

\( 5\text{-oxoPro–His–Trp–Ser–Tyr–D-Ser(tert-Bu)–Leu–Arg–Pro–NHEt} \)

Buspirone (rINN) bü-spi-rö-nën
8-[4-[4-(Pyrimidin-2-yl)piperazin-1-yl]butyl]-8-azaspiro[4.5]decane-7,9-dione; \( C_{23}H_{25}N_{5}O_{4}; 36505-84-7 \)
Buspirone Hydrochloride 33386-08-2
Non-benzodiazepine hypnotic; treatment of anxiety

The symbol ‘\( \sim \)’ in systematic chemical names signifies line continuation
Busulfan (rINN) bü·sul·fan
Tetramethylene di(methanesulfonate); C₆H₁₄O₆S₂; 55-98-1
Antineoplastic alkylating agent; treatment of haematological disorders

Butacaine (rINN) bü·ta·kän
3-(Dibutylamino)propyl 4-aminobenzoate; C₁₈H₃₀N₂O₂; 149-16-6
Butacaine Sulfate 149-15-5
Local anaesthetic

Butafosfan (rINN) bü·ta·fos·fan
1-Butylamino-1-methylethylphosphinic acid; C₇H₁₈NO₂P; 17316-67-5
Source of phosphorus

Butalamine (rINN) bü·ta·la·mën
2-(3-Phenyl-1,2,4-oxadiazol-5-ylamino)ethyldibutylamine; C₁₈H₂₈N₄O; 22131-35-7
Butalamine Hydrochloride LA 1221
Vasodilator

Butamirate (rINN) bü·ta·mi·rät
2-(2-Diethylaminoethoxy)ethyl 2-phenylbutyrate; C₁₈H₂₉NO₃; 18109-80-3
Cough suppressant

Butanilicaine (rINN) bü·ta·ni·li·kän
2-Butylamino-6'-chloroaceto-o-toluidide; C₁₃H₁₉ClN₂O; 3785-21-5
Butanilicaine Phosphate
Local anaesthetic

Butaprost (rINN) bü·ta·prost
(1) Methyl (E)-(11R,16R)-11,16-dihydroxy-9-oxo-16-(1-propylcyclobutyl)-17,18,19,20-tetranorprost-13-en-1-olate;
(2) Methyl-7-[(1R,2R,3R)-3-hydroxy-2-[(1E,4R)-4-hydroxy-4-(1-propylcyclobutyl)but-1-enyl]-5-oxocyclopentyl]heptanoate;
C₂₂H₂₉O₅; 69648-38-0; BAY q 4218
Prostaglandin analogue

Butaxamine (rINN) bü·ta·xämën
(+)-erythro-1-(2,5-Dimethoxyphenyl)-2-tert-butylamino-3-hydroxy-2-
propan-1-ol; C₁₅H₂₅NO₃; 2922-20-5
Beta₂-adrenoceptor antagonist

Butenafine (rINN) bü·te·na·fën
4-tert-Butylbenzyl(methyl)(1-naphthalenemethyl)amine;
C₁₃H₁₂N₂; 101828-21-1
Butenafine Hydrochloride 101827-46-7; KP-363
Antifungal

Buthalital Sodium (rINN) see Appendix C
Butikacin (rINN) bü·tik·kä·sin
6-O-(3-Amino-3-deoxy-α-D-glucopyranosyl)-4-O-(6-amino-6-deoxy-α-D-glucopyranosyl)-N2-(2S)-4-amino-2-hydroxybutyl]-2-deoxy-α-D-glucopyranosylstreptamine; C22H45N5O12; 59733-86-7
Aminoglycoside antibacterial

Butirosin Sulfate (INNM) bü·tir·ös·in
A mixture of the (1:2) sulfates of the A and B components of an antibacterial produced by Bacillus circularis; C21H41N5O12,2H2SO4; 12772-35-9
Aminoglycoside antibacterial complex

Component A: 1-N-[((S)-4-Amino-2-hydroxybutyryl]-2-deoxy-4-O-(2,6-diamino-2,6-dideoxy-α-D-glucopyranosyl)-5-O-(β-D-xylofuranosyl)streptamine

Component B: 1-N-[((S)-4-Amino-2-hydroxybutyryl]-2-deoxy-4-O-(2,6-diamino-2,6-dideoxy-α-D-glucopyranosyl)-5-O-(β-D-ribofuranosyl)streptamine

Butorphanol (rINN) bü·tor·fa·nol
(−)-17-(Cyclobutylmethyl)morphinan-3,14-diol; C21H25NO2; 42408-82-2
Butorphanol Tartrate 58786-99-5
Opioid receptor partial agonist; analgesic

Butroconazole (rINN) bü·tro·kä·zôl
1-[4-(4-Chlorophenyl)-2-(2,6-dichlorophenylthio) butyl]imida·zole; C25H18Cl2N2S; 64872-76-0
Butroconazole Nitrate 64872-77-1; RS-35887-00-10-3
Antifungal

The symbol ‘−’ in systematic chemical names signifies line continuation
Cabergoline (rINN) ka-bèr-gö-lèn
(8E)-6-Allyl-N-[3-(dimethylamino)propyl]-N-(ethylcarbamoyl) ergoline-8-carboxamide; C$_{25}$H$_{37}$N$_5$O$_2$; 81409-90-7
Dopamine D$_2$ receptor agonist

Cafféine (BAN) ka-fèn
3,7-Dihydro-1,3,7-trimethylpurine-2,6(1H)-dione; C$_{10}$H$_{14}$N$_4$O$_2$; 58-08-2; component in many proprietary preparations
Central nervous system stimulant

Calcifediol (rINN) kal-sí-fè-dí-ól
(5Z,7E)-(3S)-9,10-secodocholasta-5,7,10(19)-triene-3,25-diol; calcidiol; C$_{27}$H$_{44}$O$_2$; 19356-17-3
Vitamin D analogue

Calcipotriol (rINN) kal-sí-pö-trí-ól
(5Z,7E,22E)-(1S,3R,24S)-26,27-cyclo-9,10-secocholesta-5,7,10(19),22-tetraene-1,3,24-triol; C$_{27}$H$_{40}$O$_3$; 112826-00-9
Vitamin D analogue

Calcitonin (rINN) kal-sí-tö-nín
A polypeptide hormone of ultimobranchial origin, extractable from the thyroid gland of mammalian species or the ultimobranchial gland of non-mammals, that lowers the calcium concentration in plasma of mammals; thyrocalcitonin; C$_{145}$H$_{240}$N$_{44}$O$_{48}$S$_2$; 9007-12-9
Calcitonin (Pork)
Calcitonin (Salmon)
A component of natural salmon calcitonin produced synthetically; 47931-83-1
Hormone
calcitonin (salmon) has the following amino acid sequence:

\[
\begin{align*}
\text{Cys} & - \text{Ser} - \text{Asn} - \text{Leu} - \text{Ser} - \text{Thr} - \text{Cys} - \text{Val} - \\
\text{Leu} & - \text{Gly} - \text{Lys} - \text{Leu} - \text{Ser} - \text{Gln} - \text{Glu} - \text{Leu} - \\
\text{His} & - \text{Lys} - \text{Leu} - \text{Gln} - \text{Thr} - \text{Tyr} - \text{Pro} - \text{Arg} - \\
\text{Thr} & - \text{Asn} - \text{Thr} - \text{Gly} - \text{Ser} - \text{Gly} - \text{Thr} - \text{Pro} - \text{NH}_2
\end{align*}
\]
Calcitriol (rINN) kal-si-tri-ōl
(1) (5Z,7E)-9,10-Secocholesta-5,7,10(19)-triene-1α,3β,25-triol; Vitamin D analogue
(2) 1α,25-Dihydroxycholecalciferol; C_{27}H_{44}O_{3}; 32222-06-3

Calcium Benzamidosalicylate (rINN) see Appendix C

Calcium Folinate see Folinic Acid

Calcium Levofolinate (rINN) kal-ve um le vô-ři-näť
Calcium N-{4-[(6S)-2-amino-5-formyl-1,4,5,6,7,8-hexahydro-
4-oxo-pyridine-6-ylmethyl]amino}benzoyl-L-glutamate; C_{20}H_{21}CaN_{7}O_{7}; 80433-71-2
Antidote to folic acid antagonists

Calcium Levulinate (rINN) kal-së·um le·vü·li·nät
Calcium 4-oxopentanoate; C_{10}H_{14}CaO_{6}; 591-64-0; 5743-49-7 (dihydrate)
Source of calcium

Calcium Trisodium Pentetate (rINN) pen-te-tät
Calcium trisodium nitrilodiethylenedinitrilopenta-acetate; C_{14}H_{18}CaN_{3}Na_{3}O_{10}; 1317-31-3
Non-radioactive chemical precursor for diagnostic imaging radiopharmaceutical

Caldamide Sodium (INNM) kal-dë-a mid
Sodium [6-carboxylatomethyl-3,9-bis(methylcarbamoylmethyl)-
3,6,9-triazaundecanedioato-κ²-N³,N⁸,N⁹-κ¹-O⁴,O⁵(3–)calciate(ii)]; C_{16}H_{32}CaNa_{5}O_{12}; 122760-91-2
Chelator for a gadolinium-based non-ionicparamagnetic contrast medium for magnetic resonance imaging

Calfactant (BAN) kal-fak tand
An unmodified calf lung lavage extract mostly phospholipids
and surfactant specific proteins (SP-B & SP-C)
Lung surfactant

Calteridol Calcium (INNM) kal-te-ri-dol
Calcium (RS)-bis[[10-(2-hydroxypropyl-κO)-1,4,7,10-tetra-
azacyclododecan-1,4,7-triyltriacetatoκ²-O₁,O₄,O₇,N¹,N⁴,N⁷,N₁⁰(3–)calciate(ii)]; C_{34}H_{58}Ca_{3}N_{8}O_{14}; 121915-83-1
Chelator for a gadolinium-based non-ionicparamagnetic contrast medium for magnetic resonance imaging

Cambendazole (rINN) kam-ben-dazôl
Isopropyl [2-(1,3-thiazol-4-yl)benzimidazol-5-yl]carbamate; C_{14}H_{14}N_{4}O_{2}S; 26097-80-3
Antihelminthic

Canagliflozin (rINN) ca-nagli-flö-zin
(1S,1,5-Anhydro-1-C-(3-[[5-(4-fluorophenyl)thiophen-
2-yl]methyl]-4-methylphenyl)-d-glucitol; C_{24}H_{25}FO_{5}S; 842133-18-0
Sodium-glucose co-transporter 2 (SGLT-2) inhibitor; treatment of type II diabetes mellitus

The symbol ‘⁻’ in systematic chemical names signifies line continuation
Canakinumab (rINN) ka·ná·kin·ú·mab
Immunoglobulin G1, anti-[Homo sapiens interleukin 1, beta (IL1B)] human monoclonal ACZ885; gamma1 heavy chain (Homo sapiens V-KAPPA-IGHG1*01); (227-227’-230-230’)-bisdisulfide dimer; light chain 402710-27-4
Monoclonal antibody (interleukin-1β antibody); treatment of periodic syndromes

Candesartan (rINN) kan·des·ar·tan
2-Ethoxy-1-[2′-(1H-tetrazol-5-yl)biphenyl-4-ylmethyl]-1H-benzimidazole-7-carboxylic acid; C₉H₁₅N₅O₃; 139481-59-7

Candesartan Cilexetil 145040-37-5
Angiotensin II (AT₁) receptor antagonist

Candicidin (rINN) kan·di·sid din
A mixture of heptaenes produced by Streptomyces griseus and other species of Streptomyces; 1403-17-4
Antifungal

Candoxatril (rINN) kan·dox·a·tril
cis-4-1-[((S)-2-(Indan-5-yloxycarbonyl)-3-(2-methoxyethoxy)propyl] cyclopentylcarbonylamino]-
cyclohexanecarboxylic acid; C₃₉H₄₁NO₇; 118785-03-8; UK-79,300
Endopeptidase inhibitor; treatment of hypertension

Candoxatrilat (rINN) kan·dox·a·tril at
cis-4-1-[[S]-2-(4-carboxy-3-(2-methoxyethoxy)propyl]-cyclopentylcarbonylamino]cyclohexane carboxylic acid; C₃₀H₄₃NO₇; 118783-94-1; UK-73,967
Endopeptidase inhibitor; treatment of hypertension

Canertinib (rINN) kan·er·tin·ib
N-4-[[3-Chloro-4-fluorophenyl]amino]-7-[3-(morpholin-4-yl)propoxy]quinazolin-6-yl-prop-2-enamide; C₁₉H₁₅ClFN₄O₇; 267243-28-7
Tyrosine kinase (pan-erb) inhibitor; antineoplastic

Canakinumab has the following amino acid sequence:

Light chain

Heavy chain

* glycosylation site
Cangrelor (rINN) kan gre·lör
N-6-[2-(Methylsulfanyl)ethyl]-2-[(3,3,3-trifluoro) propyl-\(\text{O}^\prime\)]
 sulfanyl]adenosine 5'-β,γ-μ-dichloromethylenetriphosphate;
C\(_17\)H\(_{25}\)N\(_5\)Cl\(_2\)F\(_3\)O\(_{12}\)P\(_3\)S\(_2\); AR-C69931XX
Purine (P2Y\(_1\),\(\beta\)) receptor antagonist; inhibitor of platelet
aggregation

Cannabinol (rINN) ka·na·bi·nol
6,6,9-Trimethyl-3-pentyl-6\(\text{H}\)-dibenzo[b,d]pyran-1-ol; C\(_{21}\)H\(_{26}\)O\(_2\);
521-35-7
Cannabinoid

Canrenoic Acid (rINN) See Appendix C

Capecitabine (rINN) ka·pe·si·ta·bën
(1) Pentyl 1-[(5-deoxy-β-D-ribofuranosyl)-5-fluoro-2-oxo-1,2-
dihydropyrimidin-4-yl]carbamate; (2) 5-Fluoro-N\(_4\)-(pentyloxy-\(\text{O}^\prime\))
carbonyl)-5´-deoxycytosine; C\(_{15}\)H\(_{22}\)FNO\(_6\); 154361-50-9
Antineoplastic pyrimidine analogue

Capreomycin (rINN) kap·re·ö·mi·sin
A mixture of antimicrobial peptides produced by Streptomyces
capreolus; 11003-38-6
• Capreomycin Sulfate 1405-37-4
Antituberculosis drug

Capromab (rINN) ka prö·mab
Immunoglobulin G1, anti-(human B lymphoma cell) (mouse
monoclonal 7E11-C5.3 γ1-chain), disulfide with mouse
monoclonal 7E11-C5.3 light chain, dimer; 151763-64-3
Capromab Pendetide 145464-28-4
Non-radioactive chemical precursor for diagnostic imaging
radiopharmaceutical

Caproxamine (rINN) See Appendix C

Captodiame (rINN) kap·tö·dï·äm
2-(4-Butylthiobenzhydrylthio)ethyldimethylamine; C\(_{21}\)H\(_{29}\)NS\(_2\);
486-17-9
Anxiolytic

• Captopril (rINN) kap·tö·pril
1-[(2S)-3-Mercapto-2-methylpropionyl]-l-proline; C\(_9\)H\(_{15}\)NO\(_3\)S;
62571-86-2; SQ14225
Angiotensin converting enzyme inhibitor

Carabersat (rINN) ka·ra·ber·sat
N-[(3R,4S)-6-Acetyl-3-hydroxy-2,2-dimethylchroman-4-yl]-4-
fluorobenzamide; C\(_{20}\)H\(_{19}\)FNO\(_4\); 185122-82-1; SB-204269-EO
Antiepileptic

The symbol ‘\(\text{O}^\prime\)’ in systematic chemical names signifies line continuation
Caramiphen (rINN) ka·ra·mi·fen
2-Diethylaminoethyl 1-phenylcyclopentane-1-carboxylate;
C_{18}H_{27}NO_{2}; 77-22-5
Anticholinergic

Carazolol (rINN) ka·ra·zo·lol
1-(Carbazol-4-yloxy)-3-isopropylaminopropan-2-ol;
C_{18}H_{22}N_{2}O_{2}; 57775-29-8; BM 51052
Beta-adrenoceptor antagonist

Carbachol (rINN) kar·ba·kol
2-Carbamoyloxyethyltrimethylammonium chloride;
C_{6}H_{15}ClN_{2}O_{2}; 51-83-2
Cholinoceptor agonist

Carbadox (rINN) kar·ba·doks
Methyl 3-(quinoxalin-2-ylmethylene)carbazate 1,4-dioxide;
C_{11}H_{10}N_{4}O_{4}; 6804-07-5
Antibacterial (veterinary)

Carbamazine (rINN) kar·ba·mä·ze·pën
5H-Dibenzo[b,f]azepine-5-carboxamide; C_{15}H_{12}N_{2}O; 298-46-4
Antiepileptic

Carbamazepine (rINN) kar·ba·mä·ze·pën
5H-Dibenzo[b,f]azepine-5-carboxamide; C_{15}H_{12}N_{2}O; 298-46-4
Antiepileptic

Carbaryl (BAN) kar·ba·ril
1-Naphthyl methylcarbamate; C_{12}H_{11}NO_{3}; 63-25-2
Insecticide

Carbasalate Calcium (rINN) kar·ba·sa·lät kal·së·um
Calcium bis[2-(acetoxy)benzoate]-urea; C_{10}H_{11}CaN_{2}O_{6}; 5749-67-7
Salicylate; non-selective cyclo-oxygenase inhibitor; antipyretic; analgesic; anti-inflammatory

Carbaryl (BAN) kar·ba·ril
1-Naphthyl methylcarbamate; C_{12}H_{11}NO_{3}; 63-25-2
Insecticide

Carbenicillin (rINN) kar·be·ni·si·lin
6-(2-Carboxy-2-phenylacetamido)penicillanic acid;
C_{13}H_{14}N_{2}O_{3}; 4697-36-3
Carbenicillin Sodium 4800-94-6
Penicillin antibacterial

Carbenoxolone (rINN) kar·be·noks·o·lön
3β-(3-Carboxypropionyloxy)-11-oxo-olean-12-en-30-oic acid;
C_{34}H_{50}O_{7}; 5697-56-3
Carbenoxolone Sodium 7421-40-1
Treatment of peptic ulcer

Carbetocin (rINN) kar·be·tö·sin
2,1-Desamino-1,4,1-desthio-O^4^,2-methyl[1-homocysteine]-oxytocin; C_{45}H_{69}N_{11}O_{12}S; 37025-55-1
Oxytocin analogue
**Carbidopa** (rINN) kar-bi-dö-pa
(S)-3-(3,4-Dihydroxyphenyl)-2-hydradino-2-methylpropionic acid; C_{10}H_{14}N_{2}O_{4}; 28860-95-9
Dopa decarboxylase inhibitor

**Car bifene** (rINN) kar-bi-fèn
2-Ethoxy-N-methyl-N-[2-[(N-methyl-N-phenethylamino)ethyl]-2,2-diphenylacetamide; C_{18}H_{34}N_{2}O_{2}; 15687-16-8
Analgesic; anti-inflammatory

**Carbimazole** (rINN) kar-bi ma-zôl
Ethyl 3-methyl-2-thioxo-4-imidazoline-1-carboxylate; C_{7}H_{10}N_{2}O_{2}S; 22232-54-8
Thionamide antithyroid drug

**Carbinoxamine** (rINN) see Appendix C

**Cariphene** see Carbifene

**Carbocisteine** (rINN) kar-bö-sis-tän
S-Carboxymethyl-L-cysteine; C_{5}H_{9}NO_{4}S; 2387-59-9
Mucolytic

**Carbocloral** (rINN) kar-bö-klor-ral
Ethyl (2,2,2-trichloro-1-hydroxyethyl)carbamate; C_{6}H_{15}ClNO_{2}; 541-79-7
Cholinoceptor agonist

**Carbophenothion** see Carbofenotion

**Carboplatin** (rINN) kar-bö-pla-tin
Cis-Diammine (cyclobutane-1,1-dicarboxylato)platinum; C_{6}H_{12}N_{2}O_{4}Pt; 41575-94-4
Platinum-containing cytotoxic

**Carboprostan** (rINN) kar-bö-prost
(1) (Z)-7-{{(1R,2R,3S,5S)-3,5-Dihydroxy-2-[(E)-(3S)-3-hydroxy-3-methyloct-1-enyl]cyclopentyl}hept-5-enoic acid;
(2) (5Z,13E)-(9S,11R,15S)-9,11,15-Trihydroxy-15-methylprosta-5,13-dienoic acid; C_{21}H_{36}O_{5}; 35700-23-3
**Carboprostan Trometamol** 58551-69-2
Prostaglandin (PGF_{2a}) analogue

**Carbromal** (rINN) kar-brö-mal
(2-Bromo-2-ethylbutyl)urea; C_{7}H_{13}BrN_{2}O_{2}; 77-65-6
Hypnotic

The symbol ‘¬’ in systematic chemical names signifies line continuation
Carbutamide (rINN) karˈbuːtaɪd
1-Butyl-3-sulfanilylurea; C\textsubscript{11}H\textsubscript{17}N\textsubscript{3}O\textsubscript{3}S; 339-43-5
Inhibition of ATP-dependent potassium channels (sulfonylurea); treatment of diabetes mellitus

Carbuterol (rINN) karˈbuˈte·rol
[5-(2-tert-Butylamino-1-hydroxyethyl)-2-hydroxyphenyl]urea; C\textsubscript{13}H\textsubscript{21}N\textsubscript{3}O\textsubscript{3}; 34866-47-2
Carbuterol Hydrochloride 34866-46-1; SK&F 40383-A
Beta\textsubscript{2}-adrenoceptor agonist; bronchodilator

Carbecillin (rINN) see Appendix C

Carfenazine (rINN) karˈfe·naˈzen
1-(10-[3-[4-(2-Hydroxyethyl)piperazin-1-yl]propyl]pheno-2-thiazin-2-yl)propan-1-one; C\textsubscript{24}H\textsubscript{31}N\textsubscript{3}O\textsubscript{2}S; 2622-30-2
Carfenazine Maleate 2975-34-0
Dopamine receptor antagonist; antipsychotic

Carindacillin (rINN) kaˈrin·daˈsilin
6-(2-Indan-5-yloxycarbonyl-2-phenylacetamido)penicillanic acid; C\textsubscript{26}H\textsubscript{26}N\textsubscript{2}O\textsubscript{6}S; 35531-88-5
Carindacillin Sodium 26605-69-6; CP-15464-2
Penicillin antibacterial

Carisoprodol (rINN) kaˈrisˈprō·dol
2-Methyl-2-propyltrimethylene carbamate isopropylcarbamate; C\textsubscript{7}H\textsubscript{10}N\textsubscript{2}O\textsubscript{5}; 78-44-4
Skeletal muscle relaxant

Carmellose (rINN) karˈme·lɒs
A poly(carboxymethyl) ether of cellulose; carboxymethylcellulose; 9000-11-7;
Carmellose Calcium 9050-04-8
Carmellose Sodium 9004-32-4
Excipient; bulk laxative

Carmine (rINN) karˈmiːn
1,3-Bis(2-chloroethyl)-1-nitrosourea; C\textsubscript{2}H\textsubscript{6}Cl\textsubscript{2}N\textsubscript{2}O\textsubscript{2}; 154-93-8
Antineoplastic alkylating agent

Carnidazole (rINN) karˈni daˈzol
O-Methyl [2-(2-methyl-5-nitroimidazol-1-yl)ethoxy]-carbamate; C\textsubscript{12}H\textsubscript{14}N\textsubscript{4}O\textsubscript{4}; 42116-76-7
Antiprotozoal (veterinary)

Carprofen (rINN) karˈprō·fen
2-(6-Chlorocarbazol-2-yl)propionic acid; C\textsubscript{15}H\textsubscript{12}ClNO\textsubscript{2}; 53716-49-7
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Carsalam (rINN) karˈsaˈlɒm
(1) 1,3-Benzoxazine-2,4(3H)-dione; (2) O-Carbamoylsalicylic acid lactam; C\textsubscript{7}H\textsubscript{6}NO\textsubscript{2}; 2017-95-8
Analgesic
**Carteolol** (rINN) see Appendix C

Corticaine see Articaine

**Carumonam** (rINN) ka-roo mo nam

(Z)-(2-Amino-1,3-thiazol-4-yl)-[(2S,3S)-2-carbamoyl-\(\alpha\)

omethyl-4-oxo-1-sulfaazetidin-3-yl]carbamoyl]-\(\alpha\)
methyleneamino-oxyxacetic acid; \(\text{C}_{12}\text{H}_{14}\text{N}_{6}\text{O}_{10}\text{S}_{2}\); 87638-04-8; AMA 1080

**Carumonam Sodium** 86832-68-0; AMA 1080(2Na)

Monobactam antibacterial

![Chemical structure of Carumonam](image)

**Carvedilol** (rINN) kar-ve-di-lol

1-Carbazol-4-yloxy-3-[2-(2-methoxyphenoxy)ethylamino]-

propan-2-ol; \(\text{C}_{24}\text{H}_{26}\text{N}_{2}\text{O}_{4}\); 72956-09-3

Beta-adrenoceptor antagonist; arteriolar vasodilator

![Chemical structure of Carvedilol](image)

**Caspofungin** (rINN) kas-pö-fun-gin

5.1,6-Anhydro\([\text{4R,5S}]-5-(2\text{-aminoethylamino})-\text{N}^2-(10,12-
dimethyltetradecanoyl)-4-hydroxy-\text{l-ornithyl-1-thrcnol-trans}-

4-hydroxy-\text{l-prolyl-(S)-4-hydroxy-4-(p-hydroxyphenyl)-}

\text{l-thrcnol-threo-3-hydroxy-1-ornithyl-trans-3-hydroxy-}

\text{l-proline}]; \(\text{C}_{52}\text{H}_{88}\text{N}_{10}\text{O}_{15}\); 162808-62-0

**Caspofungin Acetate** 179463-17-3

Antifungal

![Chemical structure of Caspofungin](image)

**Catridecacog** (rINN) ka-tri-de:k a kog

Blood-coagulation factor XIII [A2] (human homodimer allele

F13A*1B), recombinant DNA origin; 606138-08-3

Recombinant factor XIII A subunit, dimer

**Catridecacog has the following amino acid sequence:**

<table>
<thead>
<tr>
<th>Amino Acid Sequence</th>
<th>Index</th>
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**Catumaxomab** (rINN) ka-too-maks-o-mab

Immunoglobulin G2a, anti- (human antigen 17-1A) (mouse monoclunal Ho-3/TP-A-01/TPBb01 heavy chain), disulfide with mouse monoclonal Ho-3/TP-A-01/TPBb01 light chain, disulfide with immunoglobulin G2b anti- (human CD3 (antigen)) (rat monoclonal 26/II/6-1.2/TPBb01 heavy chain), disulfide with rat monoclonal 26/II/6-1.2/TPBb01 light chain; 509077-98-9

Biphasic trifunctional monoclonal antibody (EpCAM and

CD3); treatment of malignant ascites

![Chemical structure of Catumaxomab](image)

The symbol ‘\(\alpha\)’ in systematic chemical names signifies line continuation.
Cediranib (rINN) ke-Ďi-rá nib
4-[(4-Fluoro-2-methyl-1H-indol-5-yl)oxy]-6-methoxy-7-[3-(pyrrolidin-1-yl)propoxy]quinazoline; C_{25}H_{27}FN_{4}O_{3}; AZD2171 28883-20-0;
Cediranib Maleate 857036-77-2; AZD2171 maleate
Vascular endothelial growth factor; tyrosine kinase inhibitor

Cefacetrile (rINN) ke-fas-č-tril
3-(Acetyloxy)methyl]-7-[(cyanoacetyl)amino]-8-oxo-5-thia-1-azabicyle[4.2.0]oct-2-ene-2-carboxylic acid; C_{13}H_{13}N_{3}O_{6}S; 10206-21-0
Cefacetrile Sodium 23239-41-0
Antibacterial (veterinary)

Cefaclor (pINN) ke-fa-klor
3-Chloro-7-(a-D-phenylglycylamino)-3-cephem-4-carboxylic acid; C_{15}H_{14}ClN_{3}O_{4}S; 53994-73-3
Cephalosporin antibacterial

Cefadroxil (pINN) ke-fa-dros-nil
7-[a-0-(p-Hydroxyphenyl)glycylamino]-3-methyl-3-cephem-4-carboxylic acid; C_{16}H_{16}N_{3}O_{5}S; 50370-12-2
Cephalosporin antibacterial

Cefalexin (pINN) ke-fa-leks-in
3-Methyl-7-(a-D-phenylglycylamino)-3-cephem-4-carboxylic acid; C_{16}H_{15}N_{2}NaO_{6}S_{2}; 15686-71-2 (anhydrous); 23325-78-2 (monohydrate)
Cephalosporin antibacterial

Cefaloglycin (pINN) ke-fa-lo glí-sin
7-(a-0-Phenylglycylamino)cephalosporanic acid; C_{16}H_{16}N_{3}O_{6}S; 3577-01-3
Cephalosporin antibacterial

Cefalonium (pINN) ke-fa-lo ně um
3-(4-Carbamoyl-1-pyridiniumethyl)-7-[2-(thiethyl)acetamido]-3-cephem-4-carboxylate; C_{20}H_{18}N_{4}O_{5}S_{2}; 5575-21-3
Cephalosporin antibacterial (veterinary)

Cefaloridine (pINN) (cephaloridine) ke-fa-lor ri děn
3-(1-Pyridiniumethyl)-7-[2-thienyl]acetamido]-3-cephem-4-carboxylate; C_{16}H_{16}N_{3}O_{6}S_{2}; 50-59-9
Cephalosporin antibacterial

Cefalotin (pINN) ke-fa-lo-tin
7-[2-Thienyl]acetamido]cephalosporanic acid; C_{16}H_{15}N_{2}NaO_{6}S_{2}; 153-61-7
Cefalotin Sodium 58-71-9
Cephalosporin antibacterial

Cefamandole (pINN) ke-fa-man-dōl
7-O-Mandelamido-3-[(1-methyltetrazol-5-yl)thiomethyl]-3-cephem-4-carboxylic acid; C_{18}H_{19}N_{3}O_{6}S_{2}; 34444-01-4
Cephalosporin antibacterial
Cefamandole Nafate (rINN) ke·fan·dol naf·fät
Sodium 7-[(αR)-α-formyloxyphenylacetamido]-3-[(1-methyltetrazol-5-yl)thiomethyl]-3-cephem-4-carboxylate; C₁₉H₁₇N₆NaO₆S₂; 42540-40-9
Cephalosporin antibacterial

Cefapirin (pINN) ke·fa·pir·in
7-[(2-(4-Pyridylthio)acetamido)cephalosporanic acid; C₁₇H₁₇N₃O₆S₂; 21593-23-7
• Cefapirin Sodium 24356-60-3; BL-P1322
Cephalosporin antibacterial

Cefatrizine (pINN) ke·fa·triz·ën
7-[(α-D-(p-Hydroxyphenyl)glycylamino]-3-(1H-1,2,3-triazol-4-ylthiomethyl)-3-cephem-4-carboxylic acid; C₁₈H₁₈N₆O₅S₂; 51627-14-6; BL-S640
• Cefatrizine Propylene Glycol
Cephalosporin antibacterial

Cefazolin (pINN) (cephazolin) ke·fä·zö·lin
3-[(5-Methyl-1,3,4-thiadiazol-2-yl)thiomethyl]-7-[(tetrazol-1-ylacetamido)-3-cephem-4-carboxylic acid; C₁₄H₁₄N₈O₄S₃; 25953-19-9
• Cefazolin Sodium 27164-46-1
Cephalosporin antibacterial

Cefdinir (rINN) ke·di·neer
7-[(2-Amino-1,3-thiazol-4-yl)-2-[(Z)-hydroxyimino]acetamido]-3-vinylcephem-4-carboxylic acid; C₁₈H₁₃N₅O₅S₂; 91832-40-5; CI-983; FK 482
Cephalosporin antibacterial

Cefepime (rINN) ke·fē·pēm
7-[(2-Amino-1,3-thiazol-4-yl)-2-[(Z)-methoxyimino]acetamido]-3-(1-methylpyrrolidiniomethyl)-3-cephem-4-carboxylate; C₁₉H₂₄N₆O₅S₂; 88040-23-7; BMY-28142
• Cefepime Hydrochloride (1:1); 123171-59-5 (monohydrate); BMY-28142 (2HCl.H₂O)
Cephalosporin antibacterial

Cefetecol (rINN) see Appendix C

The symbol ‘\(\cdot\)’ in systematic chemical names signifies line continuation
**Cefixime** (rINN) ke·fiks·ëm
7-[(2-Amino-1,3-thiazol-4-yl)-2-[(Z)-carboxymethoxyimino]acetamido]-3-vinyl-3-cephem-4-carboxylic acid; C₁₆H₁₅N₅O₇S₂; 79350-37-1
Cephalosporin antibacterial

**Cefotaxime** (rINN) ke·fō·taks·ëm
(Z)-7-[(2-Amino-1,3-thiazol-4-yl)-2-(methoxyimino)acetamido]cephalosporanic acid; C₁₆H₁₇N₅O₇S₂; 60846-21-1
**Cefotaxime Sodium** 64485-93-4
Cephalosporin antibacterial

**Cefodizime** (rINN) see Appendix C

**Cefonicid** (rINN) ke·fo·ni·sid
7-[(R)-Mandelamido]-3-(1-sulfomethyl-1H-tetrazol-5-ylthiomethyl)-3-cephem-4-carboxylic acid; C₁₈H₁₈N₆O₈S₃; 61270-58-4
**Cefonicid Sodium** 61270-78-8; SK&F D-75073-Z₂
Cephalosporin antibacterial

**Cefoperazone** (rINN) ke·fö·pe·ra·zön
7-[[N-(4-Ethyl-2,3-dioxopiperazin-1-ylcarbonyl)-L-2-(4-hydroxyphenyl)glycylamino]-3-(1-methyl-1H-tetrazol-5-ylthiomethyl)-3-cephem-4-carboxylic acid; C₂₅H₂₇N₉O₈S₂; 62893-19-0; T-15 51; CP-52640 (anhydrous); CP-52640-3 (dihydrate)
**Cefoperazone Sodium** 62893-20-3
Cephalosporin antibacterial

**Cefotetan** (rINN) ke·fō·tē·tan
2-{4-[4-Carboxy-7-methoxy-3-(1-methyl-1H-tetrazol-5-ylthiomethyl)-3-cephem-7-ylcarbamoyl]-1,3-dithietan-2-ylidene}malonamic acid; C₁₇H₁₇N₇O₈S₄; 69712-56-7; YM 09330; ICI 156,834
Cephalosporin antibacterial

**Cefotiam** (rINN) ke·fō·tï·am
7-[(2-Amino-1,3-thiazol-4-yl)acetamido]-3-[1-(2-dimethylaminoethyl)-1H-tetrazol-5-ylthiomethyl]-3-cephem-4-carboxylic acid; C₁₈H₂₃N₉O₄S₃; 61622-34-2; CGP 14221E
**Cefotiam Hydrochloride** 66309-69-1; SCE 963
Cephalosporin antibacterial

**Cefoxazole** (rINN) ke·foks·a·zôl
7-(3-o-Chlorophenyl-5-methyl-1,2-oxazol-4-ylcarboxamido)-cephalosporanic acid; C₁₉H₁₂CIN₃O₃S; 36920-48-6
Cephalosporin antibacterial

**Ceforanide** (rINN) ke·for·a·nïd
7-[2-(α-Amino-0-tolyl)acetamido]-3-[(1-carboxymethyl-1H-tetrazol-5-ylthiomethyl)-3-cephem-4-carboxylic acid; C₂₀H₁₉N₃O₅S₂; 60925-61-3; BL-S786
Cephalosporin antibacterial
Cefoxitin (rINN) kefoks'tin
3-Carbamoyloxymethyl-7-methoxy-7-[2-(2-thienyl)acetamido]-3-cephem-4-carboxylic acid; C₁₆H₁₇N₃O₇S₂; 35607-66-0
**Cefoxitin Sodium** 33564-30-6
Cephalosporin antibacterial

Cefpirome (rINN) kefpi'rōm
(Z)-7-[2-(2-Amino-1,3-thiazol-4-yl)-2-(methoxyimino)-acetamido]-3-(6,7-dihydro-5H-cyclopenta[b]pyridiniomethyl)-3-cephem-4-carboxylate; C₂₂H₂₂N₆O₅S₂; 84957-29-9
**Cefpirome Sulfate** 98753-19-6
Cephalosporin antibacterial

Cefpodoxime (rINN) kefpōdoks'ēm
7-[(Z)-2-(2-Amino-1,3-thiazol-4-yl)-2-(methoxyimino)-acetamido]-3-methoxymethyl-3-cephem-4-carboxylic acid; C₁₅H₁₇N₅O₆S₂; 80210-62-4
**Cefpodoxime Proxetil** 87239-81-4
Cephalosporin antibacterial

Cefprozil (rINN) kefprōz'il
7-(o-D-Hydroxyphenylglycylamino)-3-(prop-1-enyl)cephem-4-carboxylic acid; C₁₈H₁₉N₃O₅S; BMY-28100-03-800
**Cefprozil** 121123-17-9; BMY-28100-03-800
Cephalosporin antibacterial

Cefquinome (rINN) kefkwi'nōm
7-[(Z)-2-(2-Amino-1,3-thiazol-4-yl)-2-(methoxyimino)-acetamido]-3-(1-pyridiniomethyl)-3-cephem-4-carboxylate; C₂₂H₂₁N₆O₅S₄; 72558-82-8; GR 20263
**Cefquinome Sulfate** 123766-80-3
Cephalosporin antibacterial

Cefquinome Sulfate 123766-80-3
Cephalosporin antibacterial

Ceftazidime (rINN) kefa'sidēm
7-[(Z)-2-(2-Amino-1,3-thiazol-4-yl)-2-(1-carboxy-1-methylthioxyiminomethyl)acetamido]-3-(1-pyridiniomethyl)-3-cephem-4-carboxylate; C₂₂H₂₁N₆O₂S₄; 72558-82-8; GR 20263
**Ceftazidime** 72558-82-8
Cephalosporin antibacterial

Cefibuten (rINN) kef'ībū'ten
7-[(2-(2-Amino-1,3-thiazol-4-yl)-4-carboxyisocrotonamido)-3-cephem-4-carboxylic acid; C₁₅H₁₇N₃O₅S₄; 97519-39-6
Cephalosporin antibacterial

The symbol ‘−’ in systematic chemical names signifies line continuation.
Ceftiofur (rINN) kef’töö-für
7-[(Z)-2-(2-Amino-1,3-thiazol-4-yl)-2-(methoxyimino)acetamido]-3-([2-furoylthiomethyl]-3-cephem-4-carboxylic acid; C$_{19}$H$_{17}$N$_{5}$O$_{7}$S$_{3}$; 80370-57-6; CM 31,916
Ceftiofur Hydrochloride 103980-44-5; U-64279A
Ceftiofur Sodium 104010-37-9; U-64279E
Cephalosporin antibacterial

Ceftizoxime (rINN) see Appendix C

Ceftobiprole Medocaril (rINN) kef’tö bi pröl me-dö-ca-ril (6R,7R)-7-[(Z)-2-(5-Amino-1,2,4-thiadiazol-3-yl)-2-(hydroxyimino)acetamido]-3-[(E)(3'R)-1-([5-methyl-2-oxo-1,3-dioxol-4-yl]methoxycarbonyl)-2-oxo-[1,3'-bipyrrolidin]-3-ylidene)methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid; C$_{26}$H$_{26}$N$_{8}$O$_{11}$S$_{2}$; 376653-43-9
Ceftobiprole Medocaril Sodium 252188-71-9
Cephalosporin antibacterial

Ceftriaxone (rINN) kef’t्रా-aks-o’n
7-[(Z)-2-(2-Amino-1,3-thiazol-4-yl)-2-(methoxyimino)acetamido]-3-[2,5-dihydro-6-hydroxy-2-methyl-5-oxo-1,2,4-triazin-3-yl]thiomethyl]-3-cephem-4-carboxylic acid; C$_{18}$H$_{18}$N$_{8}$O$_{7}$S$_{3}$; 73384-59-5
Ceftriaxone Sodium 104376-79-6
Cephalosporin antibacterial

Cefuroxime (rINN) kefûr roks-em
3-Carbamoyloxymethyl-7-[(Z)-2-(2-furyl)-2-(methoxyimino)acetamido]-3-cephem-4-carboxylic acid; C$_{16}$H$_{16}$N$_{4}$O$_{8}$S; 55268-75-2
Cefuroxime Axetil 64544-07-6
Cefuroxime Pivoxetil 56238-63-2
Cefuroxime Sodium 64544-07-6
Cephalosporin antibacterial

Celecoxib (rINN) se lë koks ih
4-[5-p-Tolyl-3-(trifluoromethyl)pyrazol-1-yl]benzenesulfonamide; C$_{17}$H$_{14}$F$_{3}$N$_{3}$O$_{2}$S; 169590-42-5
Cyclo-oxygenase (COX-2) inhibitor; analgesic; anti-inflammatory

Celeprolol (rINN) se li pro lol (RS)-3-[3-(tert-butylamino)-2-hydroxypropoxy]-1,1-diethylurea; C$_{16}$H$_{13}$N$_{2}$O$_{2}$S; 56980-93-9
Beta-adrenoceptor antagonist
Cellacefate (rINN) se·la·sê·fât
An approximately 75% esterified cellulose containing acetate and hydrogen phthalate groups in the ratio of 2:1; 9004-38-0
Enteric coating in pharmaceutical products

Celucloral (rINN) se·li·klor·ral
Hydroxyethylcellulose reaction product with chloral; ML 1034
Hypnotic (veterinary)

Cephalin see Cefalolin
Cephaloglycin see Cefaloglycin
Cephalonium see Cefalonium
Cephaloram see Cefaloram
Cephaloridine see Cefaloridine

Cephalosporin C (rINN) see Appendix C
Cephalothin see Cefalothin
Cephamandole see Cefamandole
Cephamandole Nafate see Cefamandole Nafate
Cephazolin see Cefazolin
Cephoxazole see Cefoxazole
Cephradine see Cefradine

Certolizumab Pegol (rINN) ser·lo·zi·mu·bâ·peg·gol
Immunoglobulin, anti-(human tumour necrosis factor a) Fab' fragment (human-mouse monoclonal CDP870 heavy chain), disulfide with human-mouse monoclonal CDP870 light chain, pegylated at Cys-221; 428863-50-7
Monoclonal antibody (TNF alfa)

Certoparin Sodium (rINN) ser·to·pa·rin
Sodium salt of depolymerised heparin obtained by isoamyl nitrite-degradation of heparin from pork intestinal mucosa; the majority of the components have a 2-O-sulfo-α-L-idopyranosuronic acid structure at the non-reducing end and a 6-O-sulfo-2,5-anhydro-α-mannose moiety at the reducing end of their chain; the molecular weight of 70% of the components is less than 10,000 and the average molecular weight is about 6000; the degree of sulfation is about 2 to 2·5 per disaccharide unit
Low molecular weight heparin
Cetilistat (rINN) se·ti·li·stat
2-(Hexadecyloxy)-6-methyl-4H-3,1-benzoxazin-4-one; C_{25}H_{39}NO_{3}; 282526-98-1
Gastrointestinal lipase inhibitor; treatment of obesity

Cetirizine (rINN) se·ti·ri·zën
(RS)-2-[4-(4-Chlorobenzhydryl)piperazine-1-yl]ethoxyacetic acid; C_{21}H_{25}ClN_{2}O_{3}; 83881-51-0

• Cetirizine Hydrochloride (2HCl); 83881-52-1
Histamine H_{1} receptor antagonist; antihistamine

Cetomacrogol 1000 (rINN) së·tö·ma krò·gol
Polyethylene glycol 1000 monocetyl ether; polyoxyethylene glycol 1000 monocetyl ether; 9004-95-9
Emulsifying agent

Cetoxime (rINN) së·toks·ëm
2-([N-Acetyl-3-(2-naphthyl)]-d-alanyl-4-chloro-d-phenylalanyl-3-(3-pyridyl)-d-alanyl-3-tyrosyl-N\(^\circ\)-carbamoyl-d-ornithyl-1-leucyl-1-arginyl-1-prolyl-0-alaminamide; C_{70}H_{92}ClN_{17}O_{14}; 120287-85-6
Luteinizing hormone releasing hormone (LHRH) inhibitor

Cetoxime (rINN) së·toks·ëm
1-Hexadecylpyridinium chloride; C_{21}H_{39}ClN;
123-03-5 (anhydrous); 6004-24-6 (monohydrate)
Antiseptic

• Chenodeoxycholic Acid (rINN) kè·nö·dë·oks·ë·kö·lik
3α,7α-Dihydroxy-5β-cholan-24-oic acid; C_{24}H_{40}O_{4}; 474-25-9
Bile acid; treatment of gallstones

Chlophedianol see Clofedanol
Chloral Betaine see Cloral Betaine

• Chloral Hydrate (BAN) klor·ral
2,2,2-Trichloroethane-1,1-diol; C_{2}H_{5}Cl_{3}O_{2}; 302-17-0
Hypnotic

Chloralodol (rINN) See Appendix C
Chlorambucil (rINN) klor·ram·bü·sil
4-{4-Bis(2-chloroethyl)amino]phenyl]butyric acid;
C₁₄H₁₉Cl₂NO₂; 305-03-3
Antineoplastic and immunosuppressant alkylating agent

Chloramine see Tosylchloramide Sodium

Chloramphenicol (rINN) klor·ram·fe·ni·kol
2,2-Dichloro-N-[(aR,bR)-β-hydroxy-α-hydroxymethyl-4-nitrophenethyl]acetamide; C₁₁H₁₁Cl₂N₂O₅; 56-75-7
Chloramphenicol Palmitate 530-43-8; present as a component in many veterinary anti-infective preparations
Chloramphenicol Sodium Succinate 982-57-0

Chlorbutol see Chlorobutanol

Chlorcyclizine (rINN) klor·sī·kli·zēn
(RS)-1-(4-Chlorobenzhydryl)-4-methylpiperazine; C₁₉H₁₅ClN₂; 82-93-9
Chlorcyclizine Hydrochloride 1620-21-9
Histamine H₁ receptor antagonist; antihistamine

Chlorfenvinphos see Clorfenvinfos

Chlorhexadol see Chloralodol

Chlorhexidine (rINN) klor·heks·i·dēn
5,5’-Bis(4-chlorophenyl)-1,1’-hexamethylenebiguanide; C₂₂H₂₀Cl₂N₁₀; 55-56-1; salts of chlorhexidine are components of a large number of proprietary preparations
Chlorhexidine Acetate 56-95-1
Chlorhexidine Gluconate 18472-51-0
Chlorhexidine Hydrochloride 3697-42-5
Antiseptic

Chlorisondamine Chloride (rINN) klor·i·so·nda·mēn
4,5,6,7-Tetrachloro-2-methyl-2-(2-trimethylammonioethyl)isoindolinium dichloride; C₁₄H₂₀Cl₄N₂; 69-27-2
Anticholinergic (nicotinic)

Chlormadinone (rINN) klor·mad·i·nōn
6-Chloro-17α-hydroxypregna-4,6-diene-3,20-dione;
C₂₀H₂₉ClO₄; 1961-77-9
Chlormadinone Acetate
Progestogen

The symbol ‘～’ in systematic chemical names signifies line continuation
Chlormerodrin (INN) klor-me-rö-drin
(RS)-Chloro(2-methoxy-3-ureidopropyl)mercury;
C₆H₁₁ClHgN₂O₅; 10375-56-1
Mercurial diuretic

\[ \text{MeO} \quad \text{H} \quad \text{N} \quad \text{NH₂} \]
and enantiomer

Chlormethiazole see Clomethiazole

Chlormethine (rINN) klor-me-thên
Bis(2-chloroethyl)methylamine; C₅H₁₁Cl₂N; 51-75-2
• Chlormethine Hydrochloride 55-86-7
Cytotoxic alkylating agent

\[ \text{Cl} \quad \text{Me} \]

Chlormethane (rINN) see Appendix C

Chlormidazole (rINN) see Appendix C

• Chlorobutanol (INN) klor-ro bü-ta-nol
1,1,1-Trichloro-2-methylpropan-2-ol; C₄H₇Cl₃O; 57-15-8
( anhydrous); 6001-64-5 ( hemihydrate)
Disinfectant preservative

\[ \text{Me} \quad \text{Cl} \quad \text{C} \quad \text{OH} \]

Chloropyramine (INN) klor-ro pi-ra-mën
2-[4-Chlorobenzyl(2-pyridyl)amino]ethyl(dimethyl)amine;
C₁₆H₂₆ClN₃; 59-32-5
Histamine H₁ receptor antagonist; antihistamine

\[ \text{Cl} \quad \text{N} \quad \text{Me} \quad \text{Me} \quad \text{NMMe₂} \]

Chloropyridene (INN) klor-ro pi-ri-lên
2-[(5-Chloro-2-thienyl)(2-pyridyl)amino]ethyl(dimethyl)amine;
C₁₄H₁₈ClN₃S; 148-65-2
Histamine H₁ receptor antagonist; antihistamine

\[ \text{Cl} \quad \text{S} \quad \text{N} \quad \text{MeMe₂} \]

Chloroquine (rINN) klor-ro kwên
(RS)-4-[7-Chloro-4-quinolylamino]pentyldiethylamine;
C₁₈H₂₆ClN₃O₂; 54-05-7
• Chloroquine Phosphate 50-63-5
• Chloroquine Sulfate 132-73-0
Antiprotozoal (malaria)

\[ \text{Cl} \quad \text{N} \quad \text{H} \quad \text{Me} \quad \text{NET₂} \]
and enantiomer

Chlorothiazide (rINN) klor-ro-thï-å-zïd
6-Chloro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide;
C₅H₅ClN₂O₆S₂; 58-94-6
Diuretic

Chlorotrianisene (rINN) klor-ro-trï-å-nï-sën
Chlorotris(4-methoxyphenyl)ethylene; C₂₃H₂₁ClO₃; 569-57-3
Estrogen

Chloroxylenol (rINN) klor-ro-zï-le-nol
4-Chloro-3,5-xylenol; C₈H₉ClO; 88-04-0
Antiseptic

Chlorphenesin (rINN) klor-phen-ë-sïn
(RS)-3-(4-Chlorophenoxy)propane-1,2-diol; C₁₀H₁₂ClNO₄; 104-29-0
Antifungal
Chlorphenamine (rINN) klor fen·a·mén
(RS)-3-(4-Chlorophenyl)-3-(2-pyridyl)propyldimethylamine;
C₁₆H₁₉ClN₂; 132-22-9
- Chlorphenamine Maleate 113-92-8
Histamine H₁ receptor antagonist; antihistamine

Chlorpheniramine see Chlorphenamine

Chlorphenoctium Amsonate (rINN) klor fe· nok·të·um
Bis[2,4-dichlorophenoxydimethyl(octyl)ammonium]
4,4´-diaminostilbene-2,2´-disulfonate; C₁₃H₁₇ClN₂O₃S₂;
7168-18-5
Antifungal

Chlorphenoxamine (rINN) klor fe· noks·a·mén
(RS)-2-[1-(4-Chlorophenyl)-1-phenylethoxy]ethyl dimethylamine; C₁₈H₂₂ClNO;
77-38-3
Anticholinergic

Chlorphenentermine (rINN) klor fen·ter·mën
4-Chloro-α,α-dimethylphenethylamine; C₁₀H₁₄ClN; 461-78-9
Appetite suppressant

Chlorproguanil (rINN) klor pro·gwa·nil
1-(3,4-Dichlorophenyl)-5-isopropylbiguanide; C₁₁H₁₅Cl₂N₃; 537-21-3
Antiprotozoal (malaria)

Chlorpromazine (rINN) klor prö·ma·zën
3-(2-Chlorophenothiazin-10-yl)propyldimethylamine;
C₁₇H₁₉ClN₂S; 50-53-3
- Chlorpromazine Hydrochloride 69-09-0
Dopamine receptor antagonist; antipsychotic

Chlorpropamide (rINN) klor pro·pá·mïd
1-(4-Chlorophensulfonyl)-3-propylurea; C₁₀H₁₃ClN₂O₃S;
94-20-2
Inhibition of ATP-dependent potassium channels (sulfonylurea);
treatment of diabetes mellitus

Chlorprothixene (rINN) klor prö·thiks·ën
(Z)-3-[2-Chloro(thioxanthen-9-ylidene)]propyldimethylamine;
C₁₈H₁₈ClNS; 113-59-7
- Chlorprothixene Hydrochloride 6469-93-8
Dopamine receptor antagonist; antipsychotic

Chlorpyrifos (BAN) klor pi·ri·fos
O,O-Diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate;
C₁₀H₁₅Cl₂NO₃PS; 2921-88-2
Organophosphorus insecticide

Chlorquinaldol (rINN) klor kwi·nal·dol
5,7-Dichloro-2-methylquinolin-8-ol; C₁₀H₁₂ClNO; 72-80-0
Disinfectant

The symbol ‘~’ in systematic chemical names signifies line continuation
• Chlortalidone (rINN) klor·ta·li·dôn
  (RS)-2-Chloro-5-(1-hydroxy-3-oxoisindolin-1-yl)benzene-<br>Sulfonamide; C19H12ClN2O4S; 77-36-1
  Thiazide-like diuretic

![Chlortalidone structure](image)

• Chlortetracycline (rINN) klor·te·tra·sï·klën
  (4S,4aS,5aS,6S,12aS)-7-Chloro-4-dimethylamino-<br>1,4,4a,5,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-<br>methyl-1,11-dioxonaphthacene-2-carboxamide;<br>7-chlorotetracycline; C22H23ClN2O8; 57-62-5
  Tetracycline antibacterial

![Chlortetracycline structure](image)

• Chlorthalidone see Chlortalidone

• Chlorthenoxazine (rINN) klor·the·noks·a·zën
  2-(2-Chloroethyl)-2,3-dihydro-1,3-benzoxazin-4-one;<br>C10H10ClNO2; 132-89-8
  Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

![Chlorthenoxazine structure](image)

• Cholecalciferol see Colecalciferol

• Cholesterol (BAN) kö·le·ste·rol
  Cholest-5-en-3β-ol; C27H46O; 57-88-5
  Excipient

![Cholesterol structure](image)

• Cholesterylamine see Colestyramine

• Choline Salicylate (rINN) kö·lën sa·li·si-lät
  Choline salt of salicylic acid; C21H31NO4; 2016-36-6
  Salicylate; non-selective cyclo-oxygenase inhibitor; analgesic;<br>anti-inflammatory

![Choline Salicylate structure](image)

• Choline Theophyllinate (rINN) kö·lën the·o·fi·li·nät
  Choline 1,2,3,6-tetrahydro-1,3-dimethyl-2,6-dioxo-7H-<br>purin-7-ide; C19H16N2O4; 4499-40-5
  Non-selective phosphodiesterase inhibitor (xanthine);<br>treatment of reversible airways obstruction

![Choline Theophyllinate structure](image)

• Chondroitin Sulfate Sodium (rINN) kon·drö·it·in
  Acid mucopolysaccharide; treatment of osteoarthritis

![Chondroitin Sulfate Sodium structure](image)

• Choriogonadotropin Alfa (rINN) ko·rë·go·na·dö·trö·pin al·fa
  Human chorionic gonadotropin (protein moiety reduced),<br>glycoform α; 177073-44-8
  α-subunit: chorionic gonadotropin (human α-subunit protein<br>moiety reduced); 56832-30-5
  β-subunit: chorionic gonadotropin (human β-subunit protein<br>moiety reduced); 56832-34-9
  Gonadotropic hormone
choriogonadotropin alfa has the following amino acid sequence:

`\[
\begin{align*}
\alpha\text{-subunit} & \\
\text{APDVQDCPEC} & \text{TLQENPPFSQ} & \text{PGAPILQCMG} \\
\text{CCFSRAYPTP} & \text{LRSSKMLVQ} & \text{KNTSESTCC} \\
\text{VAKSYNRVT} & \text{MGGFKVENHT} & \text{ACHCSTCYYH} \\
\text{KS} & \\
\beta\text{-subunit} & \\
\text{SKEPLPRCR} & \text{PINATLAVEK} & \text{EGCPVCTVN} \\
\text{TTICAGYPT} & \text{MTVRLGQVLP} & \text{ALPQQVNCYR} \\
\text{DVRFES1RLP} & \text{GCPVGNFV} & \text{SYAVALSQC} \\
\text{ALCRRSTTDC} & \text{GGFKDHLTC} & \text{DDPRFQDSS} \\
\text{SKAPPFSLPS} & \text{PSRLPGPDS} & \text{PLIPQ}
\end{align*}
\]`

**Chorionic Gonadotrophin** (rINN) ko·ri·o·nik gon·a·dö·tro·fin
A preparation of a glycoprotein fraction secreted by the placenta and obtained from the urine of pregnant women, having the action of the pituitary luteinating hormone; 9002-61-3
Gonadotropic hormone

**Chymopapain** (rINN) kï·mø·pa·pän
A proteolytic enzyme isolated from papaya latex, differing from papain in electrophoretic mobility, solubility and substrate specificity; the approximate molecular weight is 27,000; 9001-09-6
Proteolytic enzyme

**Chymotrypsin** (rINN) kï·mø·trip·sin
An enzyme obtained from chymotrypsinogen by activation with trypsin; α-chymotrypsin; 9004-07-3
Proteolytic enzyme

**Ciamexon** (rINN) sï·a·meks·on
(RS)-1-(2-Methoxy-6-methyl-3-pyridylmethyl)aziridine-2-carbonitrile; C\textsubscript{16}H\textsubscript{15}ClN\textsubscript{2}O; 75985-31-8; BM 41:332
Immunoregulator

The symbol ‘\(\bigodot\)’ in systematic chemical names signifies line continuation
Ciclobendazole (rINN) sī klō-bendəzōl
Methyl 5-(cyclopropylcarbonyl)benzimidazol-2-ylcarbamate; C₁₃H₁₁N₃O₃; 31431-43-3
Antihelminthic

Ciclopirox (rINN) sī klō-pīrōks
6-Cyclohexyl-1-hydroxy-4-methyl-2-pyridone; C₁₂H₁₇NO₂; 29342-05-0
Antifungal

Cicloprofen (rINN) sī klō-prō-fen
(RS)-2-(Fluoren-2-yl)propionic acid; C₁₆H₁₄O₂; 36950-96-6;
Cyclo-oxgenase inhibitor; analgesic; anti-inflammatory

Cicloprofen (rINN) sī klō-prō-fen
(RS)-2-(Fluoren-2-yl)propionic acid; C₁₆H₁₄O₂; 36950-96-6;
Cyclo-oxgenase inhibitor; analgesic; anti-inflammatory

Cicloprofen (rINN) sī klō-prō-fen
(RS)-2-(Fluoren-2-yl)propionic acid; C₁₆H₁₄O₂; 36950-96-6;
Cyclo-oxgenase inhibitor; analgesic; anti-inflammatory

Ciclosidomine (rINN) sī klō-sī-dōdōmēn
N-Cyclohexylcarbonyl-3-morpholinosydnone imine; C₁₃H₂₀N₄O₃; 66564-16-7
Ciclosidomine Hydrochloride PR-G 138-CL
Nitric oxide analogue; treatment of hypertension

Ciclosporin (rINN) sī klō-spor-rīn
Cyclo-[(R)-4-((E)-but-2-eny1-N,4-dimethyl-L-threonyl)-1- homoalanyl-N-(methylglycyl)-(N-methyl-L-leucyl)-L-valyl-(N-methyl-L-leucyl)-L-alanyl-0-alanyl-(N-methyl-L-leucyl)-(N-methyl-L-leucyl)-(N-methyl-L-valyl)]; cyclosporin A;
C₈₂H₁₁₁N₁₁O₁₂; 59865-13-3
Calcineurin inhibitor; immunosuppressant

Ciclotizolam (rINN) sī klō-tī-zō-lām
2-Bromo-4-(2-chlorophenyl)-9-cyclohexyl-6H-[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepine; C₂₀H₁₃BrCIN₂S; 58765-21-2; We 973-BS
Benzodiazepine

Cicloxolone (rINN) sī klōks-ō-lōn
3β-(cis-2-Carboxycyclohexylcarbonyloxy)-11-oxo-18β-olean-12-en-30-oic acid; C₃₈H₅₆O₇; 52247-86-6
Treatment of gastric ulcers

Cidofovir (rINN) sī dō-fo-veer
1-[(S)-3-Hydroxy-2-(phosphonomethoxy)propyl]cytosine; C₈H₁₄N₃O₆P; 149394-66-1
Antiviral

Ciladopa (rINN) sī lā-dō-pā
(5S)-2-[(R)-3-Hydroxy-2,3,4-dimethoxyphenethyl]piperazine-1-yl]acetoxy-4-phenyl-2,3-dihydro-1H-1,4-benzodiazepin-6(7H)-one; C₂₁H₂₆N₂O₄; 80109-27-9
Ciladopa Hydrochloride 83529-09-3; AY-27110
Nucleoside analogue
Cilastatin (rINN) sī·lā sta·tin
S-[(Z)-6-Carboxy-6-[(S)-2,2-dimethylcyclopropane-ۚ
carboxamido]hex-5-enyl]-l-cysteine; C₁₆H₂₆N₂O₅S; 82009-34-5
● Cilastatin Sodium 81129-83-1
Dehydropeptidase-I inhibitor; inhibition of the renal metabolism of imipenem

Cilazapril (rINN) sī·lā za·pril
(1S,9S)-9-[(S)-1-Ethoxycarbonyl-3-phenylpropylamino]-10-
oxoperhydropyridazino[1,2-a][1,2]diazepine-1-carboxylic acid;
C₂₂H₃₁N₃O₅; 88768-40-5
Angiotensin converting enzyme inhibitor

Cilazaprilat (rINN) sī·lā za·pri·lat
N-[(1S,9S)-1-(1-Naphthyl)ethyl]-3-[3-(trifluoromethyl)phenyl]-
propan-1-amine; C₂₉H₂₅F₃N; 226256-56-0
Angiotensin converting enzyme inhibitor

Cilostazol (rINN) sī·lo·sta·zôl
6-[4-(1-Cyclohexyl-1H-tetrazol-5-yl)butoxy]-3,4-
dihydroquinolin-2(1H)-one; C₂₀H₂₇N₅O₂; 73963-72-1
Antiplatelet drug

Cimetidine (rINN) sī·me·ti·dën
2-Cyano-1-methyl-3-[2-(5-methylimidazol-4-
yl methylthio)ethyl]guanidine; C₁₀H₁₆N₆S; 51481-61-9
● Cimetidine Hydrochloride 70059-30-2
Histamine H₂ receptor antagonist; treatment of peptic ulceration

Cinacalcet (rINN) sī·nā·kal·set
N-[(1R)-1-(1-Naphthyl)ethyl]-3-[3-(trifluoromethyl)phenyl]-
propan-1-amine; C₂₉H₂₅F₃N; 226256-56-0
Calcimetic; increasing sensitivity of calcium-sensing receptors
in the parathyroid gland; treatment of secondary
hyperparathyroidism and hypercalcaemia in parathyroid
carcinoma

Cinchoaine (rINN) sīn kö·kän
2-Butoxy-N-(2-diethylaminoethyl)quinoline-4-carboxamide;
C₂₀H₂₉N₂O₂; 85-79-0
● Cinchoaine Hydrochloride 61-12-1
Local anaesthetic

Cinchophen (rINN) sīn kö· fen
2-Phenylquinoline-4-carboxylic acid; C₁₆H₁₁NO₂; 132-60-5
Uricosuric; treatment of gout

Cinepazet (rINN) sī·nē pā·zet
Ethyl 4-(3,4,5-trimethoxy cinnamoyl)piperazin-1-ylacetate;
C₂₀H₂₅N₂O₂; 23887-41-4
● Cinepazet Maleate 50679-07-7
Vasodilator; treatment of angina pectoris

The symbol ‘〜’ in systematic chemical names signifies line continuation
Cinepazide (rINN) sī ne pā zīd
1-(Pyrrolidin-1-ylcarbonylmethyl)-4-(3,4,5-trimethoxy-ß-
cinnamoyl)piperazine; C_{22}H_{31}N_{3}O_{5}; 23887-46-9
Vasodilator; treatment of peripheral vascular disorders

Cinfenoac (rINN) sin·fe·nō·ak
4-[2-(4-Carboxymethoxybenzoyl)vinyl]benzoic acid; C_{18}H_{14}O_{6};
66984-59-6
Cinfenoac Sodium BX 568A
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Cinnarizine (rINN) si·na·ri·zën
1-Benzhydryl-4-cinnamylpiperazine; C_{26}H_{28}N_{2}; 298-57-7
Histamine H_{1} receptor antagonist; antihistamine

Cinoxacin (rINN) see Appendix C

Cinoxolone (rINN) sī·noks·o·lön
Cinnamyl 3ß-acetoxy-11-oxo-18ß-olean-12-en-30-oate;
C_{41}H_{56}O_{5}; 31581-02-9; BX 311
Treatment of gastric ulcers

Ciprofibrate (rINN) sī prō·fi·brāt
2-[4-(2,2-Dichlorocyclopropyl)phenoxyl]-2-methylpropionic
acid; C_{13}H_{14}ClO_{2}; 52214-84-3
Fibrate; lipid-regulating drug

Ciprofloxacin (rINN) sī prō·flok·sā·sin
1-Cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-7-piperazin-1-yl-
quinoline-3-carboxylic acid; C_{17}H_{18}FN_{3}O_{3};
85721-33-1
Ciprofloxacin Hydrochloride 86483-48-9
Ciprofloxacin Lactate
Fluoroquinolone antibacterial

Cisapride (rINN) sis·a prīd
cis-4-Amino-5-chloro-N-[1-[3-(4-fluorophenoxy)propyl]-3-
metoxy-4-piperidyl]2-methoxybenzamide; C_{23}H_{29}ClFN_{3}O_{4};
81098-60-4
Cisapride Tartrate
Enterokinetic agent

Cisatracurium Besilate (rINN) sis·a tra·kär·rē·um
(1R,1’R,2R,2’R)-2,2’-(3,11-Dioxo-4,10-dioxatrideca-6-
methylene) bis(1,2,3,4-tetrahydro-6,7-dimethoxy-2-methyl-1-
veratrylsquinolinium) dibenzenesulfonate; C_{50}H_{40}N_{2}O_{15}S_{2};
96946-42-8
Non-depolarizing neuromuscular blocker
Cisplatin (rINN) sis·pla·tin

cis-Diamminedichloroplatinum; Cl$_2$H$_6$N$_2$Pt; 15663-27-1
Platinum-containing antineoplastic

Citalopram (rINN) sï·ta·lö·pram
1-(3-Dimethylaminopropyl)-1-(4-fluorophenyl)-1,3-dihydroisobenzofuran-5-carbonitrile; C$_{20}$H$_{21}$FN$_2$O; 59729-33-8

Citalopram Hydrobromide 59729-32-7
Citalopram Hydrochloride 85118-27-0
Selective serotonin reuptake inhibitor; antidepressant

Cladribine (rINN) kla·dri·bën
2-Chloro-2'-deoxyadenosine; C$_{10}$H$_{12}$ClN$_5$O$_3$; 4291-63-8
Purine analogue antineoplastic; treatment of haematological disorders

Cladribine HCl See Appendix C

Clamidoxic Acid (rINN) See Appendix C

Clamoxylene (rINN) kla·moks·ë·kwên
5-Chloro-7-(3-diethylaminopropylaminomethyl)quinolin-8-ol; C$_{19}$H$_{23}$CIN$_4$O; 2543-39-3
Clamoxylene Hydrochloride 4724-59-8; CI 443
Antiprotozoal

Clazuril (rINN) kla·zûr·ril
(RS)-4-Chlorophenyl[2-chloro-4-(2,3,4,5-tetrahydro-3,5-dioxo-1,2,4-triazin-2-yl)phenyl]acetonitrile; C$_{17}$H$_{10}$Cl$_2$N$_4$O$_2$; 101831-36-1
Treatment of coccidiosis; antiprotozoal (veterinary)

Clebopride (rINN) kle·bö·prïd
4-Amino-N-(1-benzylpiperidin-4-yl)-5-chloro-2-methoxybenzamide; C$_{20}$H$_{23}$CIN$_4$O; 55905-53-8

Clebopride Malate 57645-91-7
Dopamine receptor antagonist; antiprotozoal (veterinary)

Clefamid (rINN) kle·fa·mïd
2,2-Dichloro-N-(2-hydroxyethyl)-N-[4-(4-nitrophenoxy)-benzy]acetamide; C$_{19}$H$_{14}$Cl$_2$N$_2$O$_5$; 3576-64-5
Antiprotozoal

The symbol ‘−’ in systematic chemical names signifies line continuation
Clemastine (rINN) kle·mas·tên
(2R)-2-{2-[(R)-4-Chloro-α-methylbenzhydryloxy]ethyl}
1-methylpyrrolidine; C_{13}H_{19}ClNO; 15686-51-8

* Clemastine Fumarate 14976-57-9
Histamine H_{1} receptor antagonist; antihistamine

Clemeprol (rINN) see Appendix C

Clemizole (rINN) see Appendix C

Clemizole Penicillin (rINN) see Appendix C

Clenbuterol (rINN) klen·bü·te·rol
1-(4-Amino-3,5-dichlorophenyl)-2-tert-butyraminoethanol;
C_{12}H_{18}Cl_{2}N_{2}O; 37148-27-9

* Clenbuterol Hydrochloride 21898-19-1
Beta2-adrenoceptor agonist; bronchodilator

Clenpyrin (BAN) klen·pï·rin
N-(1-Butylpyrrolidin-2-ylidene)-3,4-dichloroaniline;
C_{14}H_{18}Cl_{2}N_{2}; 27050-41-5
Insecticide

Cletoquine (rINN) kle·tö·kwën
2-[(4-[3-(4-Chloro-5-quinoxy1amino)pentyl]amino)ethanol;
C_{16}H_{22}ClN_{3}O; 4298-15-1
Analgesic; anti-inflammatory

Clidinium Bromide (rINN) klï·di·num
3-Benzoyloxy-1-methylquinuclidinium bromide;
C_{15}H_{23}BrNO_{3}; 3485-62-9
Anticholinergic

Climbazole (rINN) klim·ba·zôl
1-(4-Chlorophenoxy)-1-(imidazol-1-yl)-3,3-dimethylbutan-2-one;
C_{15}H_{17}ClN_{2}O; 38083-17-9; BAY e 6975; MEB 6401
Antifungal

Clindamycin (rINN) klin·da·mi·sin
Methyl 7-chloro-6,7,8-trideoxy-6-[12S,4R]-1-methyl-4-
propylprolylamino]-1-thio-i-threo-D-galacto-octopyranoside;
(7S)-chloro-7-deoxylincomycin; C_{15}H_{23}ClN_{2}O_{5}S

* Clindamycin Hydrochloride 21462-39-5
Clindamycin Palmitate Hydrochloride 25507-04-4
* Clindamycin Phosphate 24729-96-2
Lincosamide antibacterial

Clevidipine (rINN) kle·vi·di·pên
Butanoyloxyethyl methyl rac-4-(2,3-dichlorophenyl)-
2,6-dimethyl-1,4-dihydropyridine-3,5-dicarboxylate;
C_{21}H_{23}ClNO_{6}; 167221-71-8
Calcium channel blocker
**Clioquinol** (rINN) klï-o-kwï-nol
5-Chloro-7-iodoquinolin-8-ol; iodochlороhydroquin; C₉H₅ClINO; 130-26-7
*Antibacterial; antiprotozoal*

**Clioquenide** (rINN) klï-o-kwï-nëd
2-(4-Chlorophenylcarbamoyl)-4,6-di-iodophenyl acetate; C₁₅H₁₀ClI₂NO₃; 14437-41-3
*Antihelminthic*

**Clobazam** (rINN) klï-o-ba- zam
7-Chloro-1,5-dihydro-1-methyl-5-phenyl-1,5-benzodiazepine-2,4(3H)-dione; C₁₆H₁₃ClN₂O₂; 22316-47-8
*Benzodiazepine*

**Clobetasol** (rINN) klï-o-bë-ta-sol
21-Chloro-9α-fluoro-11β,17α-dihydroxy-16β-methylpregna-1,4-diene-3,20-dione; C₂₂H₂₈ClFO₄; 25122-41-2
*Glucocorticoid*

**Clobetasol Propionate** 25122-46-7

**Clobetasone** (rINN) klï-o-bë-ta-soñ
21-Chloro-9α-fluoro-17α-hydroxy-16β-methylpregna-1,4-diene-3,11,20-trione; C₂₂H₂₆ClFO₄; 54063-32-0
*Glucocorticoid*

**Clobetasone Butyrate** 25122-57-0

**Clobuzarit** (rINN) klï-o-bü-zärït
2-(4'-Chlorobiphenyl-4-ylmethoxy)-2-methylpropionic acid; C₁₇H₁₇ClO₃; 22494-47-9; ICI 55897
*Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory*

**Clociguanil** (rINN) klï- siè-gwï-nil
1-(3,4-Dichlorobenzyl(oxy))-1,2-dihydro-2,2-dimethyl-1,3,5-triazine-4,6-diylidine; C₁₂H₁₂Cl₃N₄O; 3378-93-6
*Antiprotozoal (malaria)*

**Clociguanil** (rINN) klï- siè-gwï-nil
2-(4-Chlorobiphenyl-4-ylmethoxy)-2-methylpropionic acid; C₁₇H₁₇ClO₃; 22494-47-9; ICI 55897
*Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory*

**Clodantoin** (rINN) klï- dó-nïn
5-(1-Ethylpentyl)-3-(trichloromethylthio)hydantoin; C₁₁H₁₇Cl₃N₂O₂S; 5588-20-5
*Antifungal*

**Clodronic Acid** (rINN) klï- dro- nik
(Dichloromethylene)bisphosphonic acid; CH₄Cl₂O₆P₂; 10596-23-3
*Sodium Clodronate (2Na) 22560-50-5*
*Bisphosphonate; treatment of osteolytic lesions and hypercalcaemia*

**Clofarabine** (rINN) klï- fa- rá-bïn
2-Chloro-9-(2-deoxy-2-fluoro-D-arabinofuranosyl)-9H-purin-6-amine; C₁₀H₁₁ClFN₅O₃; 123318-82-1
*Purine analogue antineoplastic; treatment of acute myeloid leukaemia*
**Clofazimine (rINN)** klö fa’zi men
3-(4-Chloroanilino)-10-(4-chlorophenyl)-2,10-dihydrophenazin-2-ylideneisopropylamine; C₂₇H₂₂Cl₂N₄; 2030-63-9
*Antileprosy drug*

**Clofedanol (rINN)** klö fe’da nol
α-Chlorophenyl-α-(2-dimethylaminoethyl)benzyl alcohol; C₁₇H₂₀ClNO; 791-35-5
*Clofedanol Hydrochloride*
*Cough suppressant*

**Clofenvinfos (rINN)** klö fen’vin fos
2-Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate; C₁₂H₁₄Cl₃O₄P; 470-90-6
*Insecticide (veterinary)*

**Clofibrate (rINN)** klö fìb rät
Ethyl 2-(4-chlorophenoxy)-2-methylpropionate; C₁₂H₁₅ClO₃; 637-07-0
*Fibrate; lipid-regulating drug*

**Clofluperol (rINN)** klö flo’pe rol
4-[(4-Chloro-3-trifluoromethylphenyl)-4-hydroxypiperidino]-4’-fluorobutyrophenone; C₂₂H₁₆ClF₄NO₂; 10457-91-7
*Dopamine receptor antagonist; antipsychotic*

**Clomacran (rINN)** klö’ ma kran
3-(2-Chloro-9,10-dihydroacridin-9-yl)propyldimethylamine; C₁₈H₂₁ClN₂; 5310-55-4
*Dopamine receptor antagonist; antipsychotic*

**Clomethiazole (rINN)** klö’ me thì’a zól
5-(2-Chloroethyl)-4-methyl-1,3-thiazole; C₆H₈ClNS; 533-45-9
*Clomethiazole Edisilate* 1867-58-9
*Hypnotic*

**Clomifene (rINN)** klö mi fé n
2-[4-(2-Chloro-1,2-diphenylethen-1-yl)phenoxy]-N,N-diethylethylamine; C₂₃H₂₃ClNO; 911-45-5
*Clomifene Citrate* 50-41-9
*Estrogen receptor modulator*

**Clomosten (rINN)** klö’ jes tön
6-Chloro-3β,17α-dihydroxyprogna-4,6-diene-20-one; C₂₃H₃₂ClO₅; 20047-75-0
*Progestagen*
Clomipramine (rINN) klö·mi-prä·mën
3-(3-Chloro-10,11-dihydro-5H-dibenzo[b,e]azepin-5-yl)propyl dimethylamine; C_{16}H_{22}ClN_2; 303-49-1
● Clomipramine Hydrochloride 17321-77-6
Monoamine reuptake inhibitor; tricyclic antidepressant

Clomocycline (rINN) see Appendix C

Clonazepam (rINN) klö·na·ze·pam
5-(2-Chlorophenyl)-1,3-dihydro-7-nitro-1,4-benzodiazepin-2-one; C_{15}H_{10}ClN_3O_3; 1622-61-3
Benzodiazepine

Clonidine (rINN) klo·ni·di·nē
2,6-Dichloro-N-imidazolidin-2-ylideneaniline; C_{9}H_{9}Cl_2N_3; 4205-90-7
● Clonidine Hydrochloride 4205-91-8
Alpha₂-adrenoceptor agonist; treatment of hypertension

Clonitazene (rINN) klö·ni·ta·zēnē
2-(2-p-Chlorobenzyl-5-nitrobenzimidazol-1-yl)ethylidendiethylamine; C_{20}H_{23}ClN_4O_2; 3861-76-5
Opioid receptor agonist; analgesic

Clompamide (rINN) klö·pa·mäid
4-Chloro-N-(cis-2,6-dimethylpiperidino)-3-sulfamoyl benzamide; C_{14}H_{20}ClN_3O_3S; 636-54-5
Thiazide-like diuretic

Clomipramine (rINN) klö·mi-prä·mën
3-(3-Chloro-10,11-dihydro-5H-dibenzo[b,e]azepin-5-yl)propyl dimethylamine; C_{16}H_{22}ClN_2; 303-49-1
● Clomipramine Hydrochloride 17321-77-6
Monoamine reuptake inhibitor; tricyclic antidepressant

Clomocycline (rINN) see Appendix C

Clonazepam (rINN) klö·na·ze·pam
5-(2-Chlorophenyl)-1,3-dihydro-7-nitro-1,4-benzodiazepin-2-one; C_{15}H_{10}ClN_3O_3; 1622-61-3
Benzodiazepine

Clonidine (rINN) klo·ni·di·nē
2,6-Dichloro-N-imidazolidin-2-ylideneaniline; C_{9}H_{9}Cl_2N_3; 4205-90-7
● Clonidine Hydrochloride 4205-91-8
Alpha₂-adrenoceptor agonist; treatment of hypertension

Clonitazene (rINN) klö·ni·ta·zēnē
2-(2-p-Chlorobenzyl-5-nitrobenzimidazol-1-yl)ethylidendiethylamine; C_{20}H_{23}ClN_4O_2; 3861-76-5
Opioid receptor agonist; analgesic

Clompamide (rINN) klö·pa·mäid
4-Chloro-N-(cis-2,6-dimethylpiperidino)-3-sulfamoyl benzamide; C_{14}H_{20}ClN_3O_3S; 636-54-5
Thiazide-like diuretic
Cloprednol (rINN) klö·pred·nol
6-Chloro-11β,17α,21-trihydroxyprogna-1,4,6-triene-3,20-dione; 
C₂₁H₂₅ClO₅; 5251-34-3; RS 4691
Glucocorticoid

Cloprostenol (rINN) klö·pros·te·nol
C₂₂H₂₉ClO₆; 40665-92-7
◆ Cloprostenol Sodium 55028-72-3
Prostaglandin (PGF₂α) analogue (veterinary)

Cloquinat (rINN) klö·kwï·nät
Chloroquine bis(8-hydroxy-7-iodoquinoline-5-sulfonate); 
C₁₈H₂₆ClN₃·(C₉H₆INO₄S)₂; 7270-12-4
Antiprotozoal

Cloral Betaine (rINN) klor·ral·bë·tän
Chloral hydrate–betaine adduct; C₇H₁₄Cl₃NO₄; 2218-68-0
Hypnotic

Cloralolone (rINN) klor·ra·lō·nō
4-Amino-6-(trichlorovinyl)benzene-1,3-disulfonamide; 
C₈H₈Cl₃N₃O₄S₂; 60200-06-8
Antihelminthic (veterinary)

Clorazepic Acid (BAN) klor·ra·zê·pik
7-Chloro-2,3-dihydro-2-oxo-5-phenyl-1H-1,4-benzodiazepine-3-carboxylic acid; C₁₆H₁₁ClN₂O₃; 20432-69-3
◆ Dipotassium Clorazepate (potassium clorazepate) 
7109-90-7
Benzodiazepine

Clorinde (rINN) klor·in·de
1-(2-Chlorophenyl)-2-isopropylaminoethanol; C₁₁H₁₆ClNO; 3811-25-4
Beta-adrenoceptor agonist

Clorindione (rINN) klor·in·dï·ön
2-(4-Chlorophenyl)indan-1,3-dione; C₁₅H₉ClO₂; 1146-99-2
Anticoagulant

Cloriprenaline (rINN) klor·pre·nel·ëν
3-(2,4-Dichlorophenoxy)propyl(methyl)(prop-2-ynyl)amine; 
C₁₅H₁₃ClNO; 17780-72-2
Inhibitor of monoamine oxidase type A; antidepressant

Clorsulon (rINN) klor·sü·lon
4-Amino-6-(trichlorovinyl)benzene-1,3-disulfonamide; 
C₈H₈Cl₃N₃O₄S₂; 60200-06-8
Antihelminthic (veterinary)
Closantel (rINN) klö-san·tel
5’-Chloro-4’-(4-chloro-α-cyanobenzyl)-3,5-di-iodosalicyl-o-toluidide; C_{22}H_{14}Cl_{2}I_{2}N_{2}O_{2}; 57808-65-8

**Closantel Sodium 61438-64-0**
Antihelminthic (veterinary)

and enantiomer

Clostebol Acetate (INNM) klo·ste·bol a sê·tät
4-Chloro-3-oxoandrostan-4-en-17β-yl acetate; C_{19}H_{25}ClO_{2}; 1093-58-9
Androgen

Clotiapine (rINN) klö-ti’a-pên
2-Chloro-11-(4-methylpiperazin-1-yl)dibenzo[b,f]1,4-thiazepine; C_{18}H_{18}ClN_{3}S; 2058-52-8
Dopamine receptor antagonist; antipsychotic

Clotivasone (rINN) see Appendix C

Clotrimazole (rINN) klö·tri·ma·zôl
1-(2-Chlorotrityl)imidazole; C_{22}H_{17}ClN_{2}; 23593-75-1
Antifungal

Cloxacin (rINN) kloks’a-si’lin
6-(3-O-Chlorophenyl-5-methyl-1,2-oxazole-4-carboxamido)-penicillin acid; C_{19}H_{18}ClIN_{3}O_{5}S; 61-72-3

**Cloxacin Benzathine 32222-35-2**
**Cloxacin Sodium 7081-44-9**
Penicillin antibacterial

The symbol ‘→’ in systematic chemical names signifies line continuation
Cocarboxylase (rINN) kö·kar boks·i·läz
3-(4-Amino-2-methylpyrimidin-5-ylmethyl)-5-{2-[(dihydroxyphosphinyl oxy)(hydroxy)phosphinyloxy]ethyl}-4-methyl-1,3-thiazolium hydroxide; diphosphothiamine; C_{12}H_{20}N_{4}O_{8}P_{2}S; 154-87-0
Co-enzyme

Co-careldopa (BAN) see Names for Combinations of Substances
Co-codamol (BAN) see Names for Combinations of Substances
Co-codaprin (BAN) see Names for Combinations of Substances
Co-cyprindiol (BAN) see Names for Combinations of Substances

Cod-liver Oil
The oil obtained from the fresh liver of the cod Gadus callarius L· and other species of Gadus refined and clarified by filtration at about 0°
Source of vitamins A and D

Codactide (rINN) kö·dak·tïd
[1-O-Serine,17,18-lysine]corticotrophin-(1-18)-octadecapeptide amide
Corticotrophin analogue
D-Ser-Tyr-Ser-Met-Glu-His-Pro-Arg-Try-Gly-Lys-Pro-Val-Gly-Lys-Lys-Lys-NH₂

Co-danthramer (BAN) see Names for Combinations of Substances
Co-danthrusate (BAN) see Names for Combinations of Substances

Codeine (BAN) kö·dën
7,8-Didehydro-4,5-epoxy-3-methoxy-17-methylmorphinan-6-ol; C_{14}H_{22}NO_{3}; 76-57-3
Codeine Hydrochloride 1422-07-7
Codeine Phosphate 52-28-8 (anhydrous); 41444-62-6 (hemihydrate); component in many proprietary preparations
Opioid receptor agonist; analgesic

Codergocrine Mesilate (rINN) kö·der·gör·kren me·si·lät
Equal mass proportions of the methanesulfonates of (a) dihydroergocornine, (b) dihydroergocristine and (c) α- and β-dihydroergocryptine in the ratio 2:1; dihydroergotoxine mesilate
Vasodilator

Co-dydramol (BAN) see Names for Combinations of Substances
Co-fluampicil (BAN) see Names for Combinations of Substances
Co-flumactone (BAN) see Names for Combinations of Substances

Colecalciferol (rINN) kö·lë·kal·si·fe·rol
(5Z,7E)-(3S)-9,10-Secocholesta-5,7,10(19)-tri-en-3-ol; vitamin D₃; C₂₇H₄₄O; 67-97-0
Vitamin D analogue (vitamin D3)

Colesevelam (rINN) kö·lë·se·vel·am
Poly[[1-(aminomethyl)ethane-1,2-diyl]-co-[1-[(decylamino)methyl]ethane-1,2-diyl]-co-(5-hydroxy-3,7-diazanonane-1,1,9,9-tetrayl)]-co-[1-[(trimethylazaniumyl)methyl]ethane-1,2-diyl]] chloride; (C₁₅H₂₃N)₇(C₃H₇ClO)₄(C₁₂H₁₇ClN₂)₁(C₁₃H₇₂N)₂₀; 182815-43-6;
Colesevelam Hydrochloride 182815-44-7
Bile acid sequestrant; lipid-regulating drug

The ratio of w:x:y:z is approximately 7:6:17:20.
**Colestilan** (rINN) kö·cles·til·an
Poly[(2-methylimidazol-1-yl-3-ylium chloride)-2-hydroxypropa-1,3-diyl]; (C4H6N2.C3H5ClO)n; 95522-45-5
Lipid-regulating drug

![Chemical structure of Colestilan](image)

**Colestipol** (rINN) kö·cles·ti·pol
Co-polymer of diethylenetriamine and 1-chloro-2,3-epoxypropane; 50925-79-6
*Colestipol Hydrochloride* 37296-80-3
Lipid-regulating drug

**Colestyramine** (rINN) kö·les·ti·ra·mën
A styryl–divinylbenzene copolymer (about 2% divinylbenzene) containing quaternary ammonium groups; 11041-12-6
*Colestyramine Chloride* Lipid-regulating drug

**Colfosceril Palmitate** (rINN) kol·fo·ser·ril pal·mi·tät
1,2-Dipalmitoyl-sn-glycero(3)phosphocholine; C40H80NO8P; 63-89-8
*Lung surfactant*

**Colistimethate** (rINN) ko·lis·ti·me·thät
An antibiotic obtained from colistin sulfate by sulfomethylation with formaldehyde and sodium bisulfite; 30387-39-4
*Colistimethate Sodium* 8068-28-8
*Antibacterial*

**Colistin** (rINN) ko·lis·tin
A mixture of antimicrobial peptides produced by a strain of *Bacillus polymyxa* var. *colistinus*; 1066-17-7
*Colistin Sulfate* 1264-7-8
*Antibacterial*

Colistin Sulfomethate see Colistimethate

**Conestat Alfa** (rINN) co·nest·at
*N,O-Glycosylated recombinant protein expressed in the mammary gland of transgenic rabbits, glycoform α; 80293-38-1
Human plasma protease C1 inhibitor (C1 esterase inhibitor); treatment of attacks of hereditary angioedema

Conestat alfa has the following amino acid sequence:

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NPATSSEQ DPESLQDRE GKVATIVSK MLFVEPILEV
SLLPTTTSTH NSAKITAKT TDEPTQTFP EPTIQTFQIP
TOFTQFTPTD SPTQPTTGSF CGPFTLCLSD LESHSTRAVL
GDALVDFS LR LYHAFSMMR VETNRAMESPF SIASSLTVQL
LGAGENKTN LESILSLYFKD FTCVHQLAKG FTTKVGTVS5
QIFHSDPLAI RDTFVIVASRT LYSSSPVLS ŃNSDANLELI
NTWVANNNN KTSRLDLSLP SDTRIVLLNA YLSAKWKT
FDPKKTMEKP FPHKNVIVKV PMNSKSKYPV AMFIOQTLKA
KQVOQQLSHN LSLMILYVQPN LKRHELPDMQ ALSPSVFAI
MKELEMKQFKP PTILDLPRPX VTTSGQMLSI MEKLEFSDPS
YDLALQLLTE DPPQLVSMMQ HQTVEELTET GVEAAASAI
SVARTLLVE FVQPFELVLW DQHKFPVFM GRYOPRA
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**Co-phenotrope** (BAN) see Names for Combinations of Substances

**Copovidone** (BAN) kö·po·vi·dön
A co-polymer of 1-vinylpyrrolidone and vinyl acetate in the mass proportions 3:2
*Excipient*

**Copovithane** (BAN) kö·po·vi·thän
Copolymer of 2-methylethenemethylene bis(methylcarbamate) and 1-vinyl-2-pyrridoline in the approximate ratio of 1 part to 4 parts respectively; 68045-74-9; BAY i 7433
*Immunomodulator*

**Copper Tetramibi Tetrafluoroborate** (BAN)
Tetrakis(2-methoxy-2-methylpropyl isocyanide-kN-copper(I)) tetrafluoro borate; C24H44BCuF4N4O4
*Non-radioactive chemical precursor for diagnostic imaging radiopharmaceutical*

**Co-prenozide** (BAN) see Names for Combinations of Substances

**Co-proxamol** (BAN) see Names for Combinations of Substances

**Co-methiamol** (BAN) see Names for Combinations of Substances

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The symbol ‘−’ in systematic chemical names signifies line continuation
Corifollitropin Alfa (rINN) ko·ri·fo·li·trö·pin
Follicle stimulating hormone (human α-subunit reduced), complex with follicle stimulating hormone (human β-subunit reduced) fusion protein with 118-145-chorionic gonadotropin (human β-subunit); 195962-23-3
Recombinant human follicle stimulating hormone; treatment of female infertility
corifollitropin alfa has the following amino acid sequence:

APOVQCPEC TLQEMPPFSQ PGAPILQCMG CCSRAYTPF
LRSKETMLVQ EYNTSESTCC VAEXYNRVTV MGGFEVHNIT
ACHSTCYYH K5
NSCELTNNIT AIKXGCRFC ISTITWACAG YCYTDLVYK
DPRRFFIQT CTXFLVYET VRVPGAIHHA DLEYTVFAT
QCMGRODSO STDCTVRGGL PSYCSFPGMK ESSSSKAPPP
SLPSSRLPG PSTDPLPQ
* glycosylation sites

Corticotropic (rINN) kor·ti·kō·tro·pin
The peptide hormone from the anterior lobe of the pituitary which increases the rate at which corticoid hormones are secreted by the adrenal gland; adrenocorticotrophin; ACTH; 9002-60-2
Adrenocorticotropic steroid

Cortisone (rINN) kor·ti·sön
17α,21-Dihydroxypregn-4-ene-3,11,20-trione; C_{23}H_{30}O_{6}; 53-06-5
● Cortisone Acetate 50-04-4 Corticosteroid

Cortodoxone (rINN) kor·to·doks·ön
17α,21-Dihydroxypregnen-4-ene-3,20-dione; C_{21}H_{26}O_{6}; 152-58-9 Glucocorticoid

Co-triamterzide (BAN) see Names for Combinations of Substances
Co-trifamole (BAN) see Names for Combinations of Substances
Co-trimazine (BAN) see Names for Combinations of Substances
Co-trimoxazole (BAN) see Names for Combinations of Substances

Coumafos (rINN) kü·ma·fos
O-3-Chloro-4-methylcoumarin-7-yl O,O-diethyl phosphorothioate; C_{16}H_{16}ClO_{3}PS; 56-72-4
Insecticide

Coumetarol (rINN) see Appendix C
Co-zidocapt (BAN) see Names for Combinations of Substances

Crisantaspare (BAN) kri san·ta·späż
1-Asparagine amidohydrolase obtained from cultures of Erwinia chrysanthemi (syn. E. carotovora); 9015-68-3 Asparaginase; antineoplastic

Crizotinib (rINN) kri·zot·tin·ib
3-[(1R)-1-(2,6-Dichloro-3-fluorophenyl)ethoxy]-5-[1-(piperidin-4-yl)-1H-pyrazol-4-yl]pyridin-2-amine; C_{21}H_{22}Cl_{2}FN_{5}O; 877399-52-5 Tyrosine kinase (ALK receptor) inhibitor; anaplastic lymphoma kinase (ALK)-positive advanced non-small cell lung cancer

Cromakalim (rINN) krö·ma·ka·lim
(±)-trans-3-Hydroxy-2,2-dimethyl-4-(2-oxopyrrolidin-1-yl)chroman-6-carbonitrile; C_{16}H_{16}N_{2}O_{3}; 94470-67-4; BRL 34915 Potassium channel opener

Co-simalcitate (BAN) see Names for Combinations of Substances
● Co-tenidone (BAN) see Names for Combinations of Substances
Co-tetroxazine (BAN) see Names for Combinations of Substances
Cromoglicic Acid (rINN) krö-mö-ğli-sik
4,4’-Dioxo-5,5’-(2-hydroxytrimethylenedioxy)di(4H-chromene-
2-carboxylic acid); C_{23}H_{16}O_{11}; 16110-51-3
• Sodium Cromoglicate 15826-37-6
Cromone; treatment of asthma, food allergy, allergic
conjunctivitis, rhinitis

Cropropamide (rINN) krö-prö-pa-mid
N-[1-(Dimethylcarbamoyl)propyl]-N-propylcrotonamide;
C_{13}H_{24}N_{2}O_{2}; 633-47-6
Respiratory stimulant

Croscarmellose (rINN) kros kar-me-lös
A cross-linked, partly O-carboxymethylated cellulose
• Croscarmellose Sodium
Excipient

Crospovidone (rINN) kros po-vi dön
A cross-linked homopolymer of 1-vinyl-2-pyrrolidone;
9003-39-8
Excipient

Crotamiton (rINN) krö-ta mi-ton
N-Ethylcrotono-o-toluidide; C_{13}H_{17}NO; 483-63-6
Acaricide

Crotetamide (rINN) krö-te-ta-mid
N-[1-(Dimethylcarbamoyl)propyl]-N-ethylcrotonamide;
C_{12}H_{22}N_{2}O_{2}; 6168-76-9
Central nervous system stimulant

Crototoxic (rINN) krö tox-ik
1-Phenylethyl-3-(dimethoxyphosphinyloxy)isocrotonate;
C_{11}H_{13}O,P; 7700-17-6
Insecticide

Crufomate (rINN) kroo fô-mät
4-tert-Butyl-2-chlorophenyl methyl phosphoramidate;
C_{13}H_{14}ClNO,P; 299-86-5
Insecticide; antihelminthic

Cumetharol see Coumetarol

Cuproxoline (rINN) kü proks-o-lên
Copper(II)bis(5,7-disulfo-8-quinolyl oxide)—diethylamine
(1:4); C_{14}H_{12}CuN_{2}O_{12}S_{4}; 13007-93-7
Treatment of copper deficiency

Cyacetacide (rINN) si-a se tá síd
2-Cyanoacetohydrazide; C_{3}H_{5}N_{3}O; 140-87-4
Antihelminthic

Cyanocobalamin (rINN) si-a nó kô ba la min
Coα-[5,6-Dimethylbenzimidazolyl]-Coß-cyanocobamide;
vitamin B12; C_{63}H_{88}CoN_{14}O_{14}P; 68-19-9
Vitamin B_{12} analogue

The symbol ‘—’ in systematic chemical names signifies line continuation
Cyclamic Acid (BAN) sī kła mīk
N-Cyclohexylsulfamic acid; hexamic acid; C₆H₁₃NO₃S; 100-88-9
Sweetening agent

Cyclandelate (rINN) see Appendix C

Cyclarbamate (rINN) see Appendix C

• Cyclazine sī kli zēn
1-Benzhydryl-4-methylpiperazine; C₁₉H₂₇N₂; 82-92-8
• Cyclazine Hydrochloride 303-25-3
Cyclazine Lactate 5897-19-8
Cyclazine Tartrate
Histamine H₁ receptor antagonist; antihistamine

Cyclobarbital (rINN) sī klo·bar·bi·tal
5-(Cyclohex-1-enyl)-5-ethylbarbituric acid; C₁₂H₁₆N₂O₃; 52-31-3
• Cyclobarbital Calcium 5897-20-1
Barbiturate

Cyclocoumarol (rINN) sī klo·ä·ma·rol
3,4-Dihydro-2-methoxy-2-methyl-4-phenyl-2H-pyrano[3,2-c]chromen-5-one; C₁₀H₁₅NO₄; 518-20-7
Vitamin K epoxide reductase inhibitor; oral anticoagulant (coumarin)

Cyclofenil (rINN) sī klo·fen·i l
4,4′-Cyclohexylidenemethanediylidiphenylacetate; C₂₃H₂₄O₄; 2624-43-3
Antiestrogen

Cycloguanil Embonate (rINN) sī klo·gwä·nil em·bo·nät
Bis(6-amino-1-p-chlorophenyl-1,2-dihydro-2,2-dimethyl-1,3,5-triazin-4-ylammonium) 3,3′-dihydroxy-4,4′-methylene-2-(naphthoate); (C₁₁H₁₀ClN₂)₂C₂₃H₁₄O₆; 609-78-9
Antiprotozoal (malaria)

Cyclofenil (rINN) sī klo·fen·i l
4,4′-Cyclohexylidenemethanediylidiphenylacetate; C₂₃H₂₄O₄; 2624-43-3
Antiestrogen

Cyclopethiazide (rINN) sī klo·pen·thi·a·zīd
(RS)-6-Chloro-3-cyclopentylmethyl-3,4-dihydro-2H-1,2,4-benzo thiadiazine-7-sulfonamide 1,1-dioxide; C₁₃H₁₂ClN₂O₅S₂; 742-20-1
Thiazide-like diuretic
Cyclopentolate (rINN) sī klō pen to láī
2-Dimethylaminoethyl 2-(1-hydroxycyclopentyl)-2-phenylacetate; C₁₇H₂₅NO₃; 512-15-2
• Cyclopentolate Hydrochloride 5870-29-1
  Anticholinergic

Cyclophosphamide (rINN) sī klō fos fa míd
2-Bis(2-chloroethyl)aminopeneroxy-1,3,2-oxazaphosphorinane 2-oxide; C₇H₁₅Cl₂N₂O₂P; 50-18-0 (anhydrous); 6055-19-2
  (monohydrate)
  Antineoplastic alkylating agent

Cycloprolol see Cicloprolol

Cycloserine (rINN) see Appendix C

Cyclosporin see Ciclosporin

Cyclothiazide (rINN) sī klō thī a zīd
6-Chloro-3,4-dihydro-3-(norborn-5-en-2-yl)-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide; C₁₄H₁₆ClN₃O₄S₂; 2259-96-3
  Thiazide diuretic

Cycrimine (rINN) See Appendix C

Cyfluthrin (BAN) sī floo thrin
(RS)-α-Cyano-4-fluoro-3-phenoxybenzyl (Z)-(1RS,3RS)-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate; C₁₇H₁₈ClF₃NO₃; 68359-37-5; Bay V1 1704
  Insecticide (veterinary)

Cyhalothrin (BAN) sī hā lō thrin
(RS)-α-Cyano-3-phenoxybenzyl (Z)-(1RS,3RS)-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate; C₁₇H₁₈ClF₃NO₃; 68085-85-8; PP 563
  Insecticide (veterinary)

Cypermethrin (BAN) sī per mē thrin
(RS)-α-Cyano-3-phenoxybenzyl (1RS,3RS)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; C₁₇H₁₈Cl₂NO₃; 52315-07-8
  Insecticide (veterinary)

Cyrenorphine (rINN) see Appendix C

Cyproheptadine (rINN) sī prō hep ta dēn
5-(1-Methylpiperidin-4-ylidene)-5H-dibenzo[a,d]cycloheptene; C₁₇H₁₆N; 129-03-3
• Cyproheptadine Hydrochloride 969-33-5
  Histamine H₁ receptor antagonist; antihistamine

Cypernone (INN) See Appendix C

The symbol ‘−’ in systematic chemical names signifies line continuation
Cyproterone (rINN) Cyprô·te·rön
6-Chloro-1β,2β-dihydro-17α-hydroxy-3H-cyclopropa[1,2]-ßpregna-4,6-diene-3,20-dione; C22H27ClO3; 2098-66-0
*Cyproterone Acetate 427-51-0
Antiandrogen

Cyromazine (rINN) Cy·ró·ma·zën
N-Cyclopropyl-1,3,5-triazine-2,4,6-triamine; C6H10N6; 66215-27-8
Insecticide (veterinary)

Cytochrome see Mercaptamine

Cytarabine (rINN) Cyt·a·raben
1-ß-D-Arabinofuranosylcytosine; C9H13N3O5; 147-94-4
Pyrimidine analogue; antineoplastic

Cysteamine see Mercaptamine

Cytochrome see Mercaptamine

Dabigatran (rINN) Dab·i·gat·ran
Ethyl 3-[(2-((4-(N’-[(hexyloxy)carbamoyl]carbamimidoyl)anilino)methyl)-1-methyl-1H-benzimidazol-5-yl)carbonyl][pyridin-2-yl]amino]propanoic acid; C22H27N3O9; 211914-31-1
Direct thrombin inhibitor; oral anticoagulant

Dabigatran Etxilate (rINN) Dab·i·gat·ran ë·ték·il·ät
3-[(2-[(4-(carbamimidoyl)anilino)methyl]-1-methyl-1H-benzimidazol-5-yl)carbonyl][pyridin-2-yl]amino]propanoic acid; C22H27N3O9; 211915-06-9
Direct thrombin inhibitor; oral anticoagulant

Dacarbazine (rINN) Dák·kar·ba·zën
5-(3,3-Dimethyltriazeno)imidazole-4-carboxamide; C6H10N6O; 4342-03-4
Antineoplastic alkylating agent

Daclizumab (rINN) Dá·kli·zu·mab
Immunoglobulin G1 (human-mouse monoclonal clone 1H4-gamma-chain anti-human interleukin 2 receptor), disulphide with human-mouse monoclonal clone 1H4 light chain, dimer; 152923-56-3
Monoclonal antibody (CD-25 antigen of interleukin receptors on T lymphocytes)

Dactinomycin (rINN) Dak·ti·nö·mi·sin
N2·N2´·(2-Amino-4,6-dimethyl-3-oxo-3H-phenoxazine-1,9-diyldicarbonyl)bis(threonyl-ß-valylprolyl[N-methylglucyl][N-methylvaline]-1.5-3.1-lactone); actinomycin D; C62H86N12O16; 50-76-0
Antineoplastic antibiotic
Dacuronium Bromide (rINN) da·kur rō·nē um
1,1´-(3α-Acetoxy-17β-hydroxy-5α-androstan-2β,16β-diyl)bis(1-methylpiperidinium) dibromide; C₃₁H₅₂Br₂N₂O₈; 27115-86-2
Non-depolarizing neuromuscular blocker

Dalbavancin (rINN) dal·bā·van·sin
5,31-Dichloro-38-de(methoxycarbonyl)-7-demethyl-19-deoxy-56-O-[(2-deoxy-2-[(10-methylundecanoyl)amino]-3-(dimethylamino)propyl] carbamoyl]-42-O-α-D-mannopyranosyl-15-α-methyl (ristomycin A aglycone) (main component); C₈₈H₁₀₀Cl₂N₁₀O₂₈; 171500-79-1
Glycopeptide antibacterial

Dalfopristin (rINN) dal·fo·pris·tin
(5E,10E,12E)-(3R,4R,14S,26R,26aS)-26-[(2-Diethylamino)ethyl]sulfonyl]-8,9,14,15,24,25,26a-octahydro-14-hydroxy-3-isopropyl-4,12-dimethyl-3H-21,18-azeno-1H,22H-pyrrolo[2,1-c][1,8,4,19]dioxadiazacyclotetrasocene-1,7,16,22(4H,17H)-tetrone; C₃₄H₃₀N₄O₉S; 112362-50-2
Dalfopristin Mesilate
Streptogramin antibacterial

Dalteparin Sodium (INN) dal-te·pa·rin
Sodium salt of depolymerised heparin obtained by nitrous acid degradation of heparin from pig intestinal mucosa; the majority of the components have a 6-O-sulfo-2,5-anhydro-β-mannitol structure at the reducing end of their chain; the molecular weight of 90% of the components is between 2000 and 9000 and the average molecular weight is about 5000; the sulfur content is about 11%
Low molecular weight heparin

Danaparoid Sodium (INN) da·nap·a·roid
A low-molecular-weight heparinoid consisting of a mixture of the sodium salts of heparan sulfate (approximately 84%), dermatan sulfate (approximately 12%), and chondroitin-4- and 6-sulfates (approximately 4%); it is derived from pig intestinal mucosa; average molecular weight about 5500; 83513-48-8
Heparinoid; prevention of deep vein thrombosis

Danazol (INN) da·na·zol
[1,2]Oxazolo[4´,5´:2,3]−17α-pregn−4−en−20−yn−17β−ol; C₂₁H₂₇NO₂; 17230-88-5
Inhibitor of gonadotrophin secretion; androgen; antiestrogen

Daniquidone see Appendix C

Danofloxacin (INN) da·nö·floks·a·sin
1-Cyclopropyl-6-fluoro-1,4-dihydro-7-{(1S,4S)-5-methyl-2,5-diazabicyclo[2.2.1]-hept-2-yl}-4-oxoquinoline-3-carboxylic acid; C₁₉H₂₀FN₃O₃; 112398-08-0
Danofloxacin Mesilate 119478-55-6
Fluoroquinolone antibacterial

Danthron see Dantron

Dantron see Appendix C

Dantrile (INN) dan·tril·i·n
1-(45-p-Nitrophenylfurfurylideneamino)hydantoin; C₁₄H₁₀N₄O₃; 72619-97-4

Dantrile Sodium 14663-23-1
Skeletal muscle relaxant

The symbol ‘¬’ in systematic chemical names signifies line continuation
Dantron (rINN) dan·tron
1,8-Dihydroxyanthraquinone; C_{14}H_8O_4; 117-10-2
Anthraquinone stimulant laxative

Dapagliflozin (rINN) da·pa·gli·flö·zin
(1S)-1,5-Anhydro-1-C-[4-chloro-3-[(4-ethoxyphenyl)methyl]phenyl]-D-glucitol; C_{21}H_{25}ClO_6; 461432-26-8
Dapagliflozin Propanediol 960404-48-2
Sodium-glucose co-transporter 2 inhibitor; treatment of diabetes mellitus

Dapoxetine (rINN) da·poks·e·tën
(1S)-N,N-Dimethyl-3-[(naphthalen-2-yl)oxy]-1-phenylpropan-1-amine; C_{21}H_{23}NO; 119356-77-3
Dapoxetine Hydrochloride 129938-20-1
Selective serotonin reuptake inhibitor; treatment of premature ejaculation

Dapsone (rINN) dap·sön
Bis(4-aminophenyl) sulfone; C_{12}H_{12}N_2O_2S; 80-08-0
Folic acid synthesis inhibitor; treatment of leprosy

Daptomycin (rINN) dap·tö·mi·sin
N-Decanoyl-1-t-tryptophyll-t-asparaginyll-t-aspartyl-t-threonylglycyl-l-ornithyl-t-asparagylglycyl-t-seryl-threo-3-methyl-l-glutamyl-3-anthramiloyl-l-alanine
1.13-3.4-lactone; 103060-53-3
Lipopeptide antibacterial

CH_{3}·[CH_{2}]_{6}·CO-Trp-Asn-Asp-Thr-Gly-Orn-Asp-D-Ala-Asp-Gly-D-Ser-threo(3-Me)Glu-Kyn
Kyn = Kynurenine = 3-anthramiloylalanine

Darbepoetin Alfa (rINN) dar·be·pö·e·tin al·fa
Erythropoietin analogue
darbepoetin alfa has the following amino acid sequence:

```
APPRICDTSR  VELYLEAKE  EAENITGCN
ETCSLNLNIT  VPDKNYFYA  WKRMEVGQA
VEVWQLLL  SEAELROQAL  LVNSSQVNET
QLHQVSLAVS  GLRSLTTLR  ALGQKEAIS
PDDASSAAPL  RTITADTFRK  LFRVYSNFLR
GKLKLYTGEEA  CRTGD
```

Darifenacin (rINN) da·rif·e·na·sin
(S)-2-{1-[2-(2,3-Dihydrobenzo[b]furan-3-yl)-2,2-diphenylacetamide]; C_{29}H_{32}N_2O_5; 133099-04-4
Darifenacin Hydrobromide 133099-07-7
M3 muscarinic receptor antagonist; anticholinergic

Darunavir (rINN) da·roo·nä·veer
(3R,3aS,6aR)-Hexahydrofuro[2,3-b]furan-3-yl-N-[(1S,2R)-1-benzyl-2-hydroxy-3-[4-amino-N-(2-methylpropyl)benzenesulfonyl]propyl]carbamate; C_{32}H_{37}N_{3}O_{7}S; 206361-99-1
Protease inhibitor; antiviral (HIV)
Dasatinib (rINN) dá sat in ib
N-(2-Chloro-6-methylphenyl)-2-[(6-[4-(2-hydroxyethyl)-1-piperazin-1-yl]-2-methylpyrimidin-4-yl)amino]-1,3-thiazole-5-carboxamide; C₂₂H₂₆ClN₇O₂S; 302962-49-8
Tyrosine kinase (dual SRC and BCR-ABL) inhibitor; treatment of haematological malignancies

Daunorubicin (rINN) dor nó roo bì sin
An anthracycline antibacterial produced by Streptomyces peuceticus and Streptomyces coeruleorubidus; (1S,3S)-3-acetyl-1,2,3,4,6,11-hexahydro-3,5,12-trihydroxy-6,11-dioxonaphthacen-1-yl 3-amino-2,3,6-trideoxy-a-L-lyxo-hexopyranoside; C₂₇H₂₉NO₁₀; 20830-81-3
• Daunorubicin Hydrochloride 23541-50-6
Antineoplastic anthracycline antibacterial; treatment of haematological malignancies and Kaposi’s sarcoma

Dazmegrel (rINN) daz me grel
3-(3-Imidazol-1-ylmethyl-2-methylindol-1-yl)propionic acid; C₁₆H₁₇N₃O₂; 76894-77-4
Thromboxane synthetase inhibitor

Dazoxiben (rINN) da zoks i ben
4-(2-Imidazol-1-ylethoxy)benzoic acid; C₁₂H₁₂N₂O₃; 78218-09-4
Dazoxiben Hydrochloride 74226-22-5
Thromboxane synthetase inhibitor

Decamethonium Iodide (rINN) see Appendix C

Decitabine (rINN) dë si ta bèn
4-Amino-1-(2-deoxy-b-D-erythro-pentofuranosyl)-1,3,5-triazin-2(1H)-one; C₈H₁₂N₄O₄; 2353-33-5
Pyrimidine analogue antineoplastic; treatment of myelodysplastic syndromes

Decoquinate (rINN) de kō kwī nät
Ethyl 6-decyloxy-7-ethoxy-4-hydroxyquinoline-3-carboxylate; C₂₄H₃₅NO₅; 18507-89-6
Antiprotozoal (veterinary)

Deferiprone (rINN) de fe ri prôn
3-Hydroxy-1,2-dimethyl-4-pyridone; C₇H₉NO₂; 30652-11-0
Chelating agent (iron)

Deanol (rINN) dé a nol
2-Dimethylaminoethanol; C₄H₁₀NO; 3342-61-8
Cholinoceptor agonist

The symbol ‘¬’ in systematic chemical names signifies line continuation
Defibrotide (rINN) dé·fè-brö·tïd
Polydeoxyribonucleotides from bovine lung; the molecular weights range between 45,000 and 55,000
Anti-thrombotic; fibrinolytic

Deflazacort (rINN) dé·flä·za·kort
11β-Hydroxy-2´-methyl-3,20-dioxo[1,3]oxazolo[5´,4´:16,17]pregn-4-ene-21-yl acetate; C₂₂H₃₂NO₆; 14484-47-0
Glucocorticoid

Degarelix (rINN) dé·gà·re·liks
N-Acetyl-3-(naphthalen-2-yl)-ß-alanyl-4-chloro-D-phenylalanlyl-3-(pyridin-3-yl)-ß-alanyl-1-ßeryl-4-((4S)-2,6-dioxohexahydropyrimidin-4-yl(carboxyl)amino)-ß-phenylalanlyl-4-(carbamoylamino)-ß-phenylalanlyl-ß-leucyl-N-(propan-2-yl)-ß-lysyl-ß-prolyl-ß-alaninamide; C₁₀₂H₁₀₃ClN₁₈O₁₆; 214766-78-6;
Gonadotrophin-releasing hormone antagonist; treatment of prostate carcinoma

Dehydrocholic Acid (rINN) see Appendix C

Dehydroemetine (rINN) dé·hë·dro·é·me·tën
(S)-3-Ethyl-1,6,7,11b-tetrahydro-9,10-dimethoxy-2-[(4-{4-(3-chlorophenoxy)-3-hydroxybut-1-ethyl}-3,5-dihydroxy cyclopentyl)hepta-2,5-dienoate; C₂₉H₃₈N₂O₄;
Antiprotozoal; amoebiasis

Dehydrocorticosterone (rINN) dé·hë·dro·kör·ti·kôr·të·sö·ter
Dehydrocorticosterone acetate and Dehydrocorticosterone propionate; C₂₉H₃₈O₄;
Adrenocorticosteroids; anti-inflammatory

Delamanid (rINN) dé·la·ma·nid
(2R)-2-Methyl-6-nitro-2-[(4-[(3-trifluoromethoxy)phenoxy]piperidin-1-yl)phenoxy]methyl]-2,3-dihydroimidazo[2,1-b][1,3]oxazole; C₂₅H₂₅F₃N₄O₆; 681492-22-8
Antituberculosis drug

Delmadinone (rINN) dél·ma·di·nön
6-Chloro-17α-hydroxyprogren-1,4,6-triene-3,20-dione; C₂₁H₂₅ClO₃;
Progestogen

Delprostenate (rINN) dél·pros·te·nät
(1) Methyl (2E,5Z)-7-[(1R,2R,3S,5S)-2-[(E)-3-chlorophenoxy]-3-hydroxybut-1-ethyl]-3,5-dihydroxy cyclohexyl)hepta-2,5-dienoate; (2) Methyl (2E,5Z,13E)-(9S,11R,15R)-16-(3-hydroxy-5-di senorprosta-2,5,13-trienoate; C₂₅H₂₃ClO₄;
Prostanoid (veterinary)

Delmadrin (rINN) see Appendix C

Deltamethrin (BAN) del·ta·methrin
(S)-α-Cyano-3-phenoxybenzyl (1R,3S)-3-(2,2-dibromovinyl)-2,2-dimethyloctylcyclopropanecarboxylate; C₂₀H₁₉Br₂NO₃;
Insecticide (veterinary)

Dembrexine (rINN) dem·breks·ën
trans-4-(3,5-Dibromo-2-hydroxybenzylamino)cyclohexanol; C₁₈H₁₈Br₂NO₃;
Mucolytic (veterinary use)
Demecarium Bromide (rINN) see Appendix C

Demeclocycle (rINN) de mé·klo sí kéén
(1) (45,4aS,5aS,6S,12aS)-7-Chloro-4-dimethylamino-1,4,4a,5,9 5a, 6, 11, 12a-octahydro-3,6,10,12,12a-pentahydroxy- 1,11-dioxonaphthacene-2-carboxamide; (2) 7-Chloro-6- demethyl-tetracycline; C₂₃H₂₁ClN₂O₈; 127-33-3
*Demeclocycle Hydrochloride 64-73-3
Tetracycline antibacterial

Demecolcine (rINN) de·më·kol·sën
(RS)-6,7-Dihydro-1,2,3,10-tetramethoxy-7-methylamino-5H- benzo[a]heptalen-9-one; C₂₁H₂₅NO₅; 477-30-5
Antimitotic agent (veterinary)

Demeton Benzoate (rINN) de·na·tö·nüm
Benzyldiethyl(2,6-xylylcarbamoylmethyl)ammonium benzoate; C₂₈H₃₄N₂O₃; 3734-33-6
Denaturant for alcohol in toiletries

Denbufylline (rINN) den·bü·fi·lën
1,3-Dibutyl-3,7-dihydro-7-acetonylpurine-2,6(1H)-dione; C₁₆H₂₄N₄O₃; 57076-71-8
Non-selective phosphodiesterase inhibitor (xanthine); treatment of reversible airways obstruction

Denileukin Diftitox (rINN) de·ni·lü·kin dif·ti·toks
Interleukin (IL-2) fusion toxin (IL-2 linked to the A and B fragments of the diphtheria toxin); treatment of cutaneous T-cell lymphoma

denileukin diftitox has the following amino acid sequence:

\[
\text{MGADDVVDSS} \quad \text{KSPVMEFS} \quad \text{YHGTKFGYVD}
\]
\[
\text{SIQKGQKFK} \quad \text{SGTQGNYDDD} \quad \text{WKGFYSTDNK}
\]
\[
\text{YDAAGYSVDN} \quad \text{ENPLSGKAGG} \quad \text{VKVTYPGLT}
\]
\[
\text{KVLALKDVA} \quad \text{BTIKKELGLS} \quad \text{LTPLMEQVG}
\]
\[
\text{TREFIRKFGD} \quad \text{GASRVVLSLP} \quad \text{FABGSSVEY}
\]
\[
\text{INNWQPQKAL} \quad \text{SVEKLINFET} \quad \text{RGKRGQDAMY}
\]
\[
\text{EYMAQACAGN} \quad \text{RVRSGVSSL} \quad \text{SCINLDWVI}
\]
\[
\text{RDKTTKIES} \quad \text{LKEHGPINKK} \quad \text{MSBSPNKTVS}
\]
\[
\text{EEKAKQYLEB} \quad \text{PHQTALHEPE} \quad \text{LSELKTIVGT}
\]
\[
\text{NPVFAGANYA} \quad \text{AWAVNVAVQI} \quad \text{DSETADNLK}
\]
\[
\text{TTAALSILPG} \quad \text{IGSVMIADJG} \quad \text{AVHHNTBIV}
\]
\[
\text{AQSIALSSLM} \quad \text{VAQAPIVGLGE} \quad \text{LVDIGFAAN}
\]
\[
\text{FVESIINLFQ} \quad \text{VVHNSYRPA} \quad \text{YSPGKHTAP}
\]
\[
\text{TSSSTKKTQL} \quad \text{QLEHELDDQ} \quad \text{MLMGNINYYK}
\]
\[
\text{NPKLTRMLTF} \quad \text{KFYMPKKBTE} \quad \text{LKLHQLCSEE}
\]
\[
\text{LKPLEEVINL} \quad \text{AQSKKFIIRP} \quad \text{RLDISINVI}
\]
\[
\text{VLEGKGETT} \quad \text{FMCEYADETA} \quad \text{TIVEFLNWII}
\]
\[
\text{TFCQSIISTL} \quad \text{T}
\]

Denosumab (rINN) de·nö·söm·ab
Immunoglobulin G2, anti-(human tumor necrosis factor ligand superfamily member 11 (human osteoclast differentiation factor)) (human monoclonal AMG162 heavy chain), disulfide with human monoclonal AMG162 light chain, dimer; 615258-40-7;
Monoclonal antibody (receptor activator of nuclear factor kappa B ligand); treatment of osteoporosis

The symbol ‘¬’ in systematic chemical names signifies line continuation.
Denosumab has the following amino acid sequence:

**Heavy chain**

EVQLLESGG G\[\ldots\] \[\ldots\] SYAMSWNYQA
FGKGLEWNSG ITGSGGSTYY ADSVKRPTI SRNSKNTLY
LQNSLRAED TAVYCKAKDP GPTVIMSWED PGWQTLTV
SSASTKGPSV FLAPCSCHT SESTAALGQL VKDYFPEVVT
VSNWNSGATLS GVHTTFVQLG SSGLLYSLSH VTVPS3NFGT
QTTCNVDHKL PSNVTQKVT DKEQCCVEHP CPAPPVAGPS
VEFPPGEPKD TLMSRTPDE TCVVQDSYHE DPEQVNYYV

**Light chain**

EVVTPLQGPQ LSLSPGERAT LCSRASQSVR GRYLANYQKF
FGQAPRLILY GASSRATGIF DRFGSGGSTD DEFTLISKLE
PEPFAYTQOG QYSPPRTPO GQTSKVEIKRT VAAPSVYIFP
PSDEQLKSGT ASVYCLINNF YPREAVKQYK VMNALQSGNS
QESVTEQSKK QSTISLSTTL TSLRADCYEH KYVACEVTHQ

Deoxycortone see Desoxycortone

Depramine (rINN) see Appendix C

Deprodone de-prö-dön
11β,17α-Dihydroxypregna-1,4-diene-3,20-dione; \(\text{C}_{21}\text{H}_{28}\text{O}_{4}\); 20423-99-8

Deprodone Propionate 20424-00-4
Glucocorticoid

Deptropine (rINN) de-ptró-pén
(1R,3r,5S)-3-(10,11-Dihydrodibenzo[a,d]cycloheptadien-5-yloxy)trypane; \(\text{C}_{32}\text{H}_{38}\text{N}_{2}\text{O}_{8}\); 131-01-1

Dequalinium Chloride (rINN) de-ku-lé nell-um
\(\text{N}_{2}\text{N}-\text{Decamethylenebis}(4\text{-amino-2-methylquinolininium chloride}); \text{C}_{30}\text{H}_{42}\text{Cl}_{2}\text{N}_{6}; 522-31-0\)
Antiseptic

Deptropine Citrate 2169-75-7
Histamine \(H_{1}\) receptor antagonist; anticholinergic

Deserpidine (rINN) de-zer-pi-deén
Methyl 11-demethoxy-\(\text{O}\)-(3,4,5-trimethoxybenzyl)reserpate; \(\text{C}_{32}\text{H}_{38}\text{N}_{2}\text{O}_{3}\); 131-01-1
Rauwolfia alkaloid; treatment of hypertension

Desferrioxamine (BAN) dez-fer-rë-ok's a mën
30-Amino-3,14,25-trihydroxy-3,9,14,20,25-penta-azatricontane-2,10,13,21,24-pentaone; deferoxamine (pINN); \(\text{C}_{30}\text{H}_{48}\text{N}_{6}\text{O}_{8}\); 70-51-9
Desferrioxamine Mesilate 138-14-7
Chelating agent (iron)
Desflurane (rINN) dez·flo·rān
(2RS)-2-(Difluoromethoxy)-1,1,1,2-tetrafluoroethane;
C₃H₂F₆O; 57041-67-5
General anaesthetic

Desipramine (rINN) de·zi·pra·mēn
3-(10,11-Dihydro-5H-dibenzo[b,f]azepin-5-yl)propyl(methyl)amine; C₁₉H₂₂N₂; 50-47-5
Desipramine Hydrochloride 58-28-6
Monoamine reuptake inhibitor; tricyclic antidepressant

Desirudin (rINN) de·si·roo·dēn
63-Desulfohirudin (hirudin isoform HV2); 120993-53-5
Direct thrombin inhibitor; anticoagulant

Deslanoside (rINN) dez·lan·o·sēd
3b-[[(Oβ-D-Glucopyranosyl-(1®4))-O-2,6-dideoxy-β-D-ribo-hexopyranosyl-(1®4))-O-2,6-dideoxyβ-D-ribo-hexopyranosyl-(1®4))]-12,14-dihydroxy-5b,12b-card-20(22)-enolide; deacetyl-lanatoside C; C₄₇H₇₄O₁₉; 17598-65-1
Na / K-ATPase inhibitor; cardiac glycoside

Deslorme (rINN) dez·lor·me
8-Chloro-6,11-dihydro-11-(4-piperidylidene)-5H-benzof[5,6]cyclohepta[1,2-b]pyridine; C₁₀H₁₀ClN₂; 100643-71-8; SCH 34117
Histamine H₁ receptor antagonist; antihistamine

Desmopressin (rINN) des·mö·pre·sēn
[1-Deamino,8-D-arginine]vasopressin; C₉₈H₇₅N₁₄O₁₂S₂; 16679-58-6
Desmopressin Acetate (rINN) 62288-83-9; 62357-86-2 (trihydrate)
Vasopressin analogue; treatment of diabetes insipidus; nocturnal enuresis; haemophilia; von Willebrand's disease

Desogestrel (rINN) de·zō·jes·trel
13β-Ethyl-11-methylene-18,19-dinor-17α-pregn-4-en-20-yne-17β-ol; C₂₂H₂₃O; 54024-22-5
Progestogen

Desoximetasone (rINN) de·zoks·ë·me·ta·sōn
9α-Fluoro-11β,21-dihydroxy-16α-methylpregna-1,4-diene-3,20-dione; C₂₃H₂₉FO₂; 382-67-2
Glucocorticoid

The symbol ‘¬’ in systematic chemical names signifies line continuation
Desoxycortone (rINN) dez·oks·ë·kor·tön
21-Hydroxypregn-4-ene-3,20-dione; (rINN); C_{21}H_{30}O_{2}; 64-85-7

**Desoxycortone Acetate** desoxycorticosterone acetate; 56-47-3

**Desoxycortone Pivalate** 808-48-0
Mineralocorticoid

Desoxymethasone see Desoximetasone

Desvenlafaxine (rINN) dez·ven·la·faks·ën
4-[(RS)-2-(Dimethylamino)-1-(1-hydroxycyclohexyl)ethyl]-phenol; C_{16}H_{25}NO_{2}; 93413-62-8
Inhibition of 5HT and noradrenaline reuptake; antidepressant

Detomidine (rINN) de·to·mi·dën
4-(2,3-Dimethylbenzyl)imidazole; C_{12}H_{14}N_{2}; 76631-46-4

**Detomidine Hydrochloride** 90038-01-0
Alpha_{2}-adrenoceptor agonist (veterinary)

**Dexamethasone** (rINN) deks·am·e·tha·sön
9α-Fluoro-11β,17α,21-trihydroxy-16α-methylpregna-1,4-diene-3,20-dione; C_{22}H_{29}FO_{5}; 50-02-2

**Dexamethasone Acetate** 55812-90-3
**Dexamethasone Isonicotinate** 2265-67-7
**Dexamethasone Phenylpropionate** 1879-72-7
**Dexamethasone Phosphate** 312-93-6
**Dexamethasone Pivalate** 1926-94-9

**Dexamethasone Sodium Phosphate** 2392-39-4
Glucocorticoid

**Dexametamine** (rINN) deks·am·e·ta·mën
(S)-α-Methylphenethylamine; (+)-amphetamine;
C_{10}H_{14}N; 51-64-9

**Dexametamine Sulfate** 51-63-8
Amfetamine

Dexbrompheniramine (rINN) deks·brom·fen·i·ra·mën
(R)-3-(4-Bromophenyl)-3-(2-pyridyl)propyldimethylanine;
C_{16}H_{19}BrN_{2}; 132-21-8

**Dexbrompheniramine Maleate** 2391-03-9
Histamine H_{1} receptor antagonist; antihistamine

**Dexchlorpheniramine** (rINN) deks·klor·fen·i·ra·mën
(S)-[3-(4-Chlorophenyl)-3-(2-pyridyl)propyl]dimethylanine;
C_{16}H_{19}ClN_{2}; 25523-97-1

**Dexchlorpheniramine Maleate** 2438-32-6
Histamine H_{1} receptor antagonist; antihistamine

**Dexetimide** (rINN) deks·e·ti·mid
(S)-2-(1-Benzyl-4-piperidyl)-2-phenylglutarimide; C_{23}H_{26}N_{2}O_{2}; 21888-98-2

Anticholinergic

**Dexfenfluramine** (rINN) deks·fen·flûr·a·mën
(S)-N-Ethyl-α-methyl-3-trifluoromethylphenethylamine;
C_{11}H_{14}F_{3}N; 3239-44-9
Appetite suppressant
Dexibuprofen (rINN) deks·ï·bü·prö·fen
(S)-2-(4-Isobutylphenyl)propionic acid; C₁₃H₁₈O₂; 51146-56-6
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Dexketoprofen (rINN) deks·kë·tö·prö·fen
(S)-2-(3-Benzoylphenyl)propionic acid; C₁₆H₁₄O₃; 22161-81-5
Dexketoprofen Trometamol
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Dexmedetomidine (rINN) deks·me·de·to·mi·dën
(S)-4-[1-(2,3-Xylyl)ethyl]imidazole; C₁₃H₁₆N₂; 113775-47-6
Alpha₂-adrenoceptor antagonist

Dexpanthenol (rINN) deks·pan·the·nol
(R)-2,4-Dihydroxy-N-(3-hydroxypropyl)-3,3-dimethyl-β-butyramide; C₉H₁₉NO₄; 81-13-0
Vitamin B₅ analogue

Dexpropranolol (rINN) deks·prö·pra·no·lol
(R)-1-Isopropylamino-3-(1-naphthyloxy)propan-2-ol; C₁₆H₂₁NO₂; 5051-22-9
Beta-adrenoceptor antagonist

Dexrazoxane (rINN) deks·rä·zo·xän
(S)-4,4'-Propylenedi(piperazine-2,6-dione); C₁₁H₁₀N₄O₆; 24584-09-6
Dexrazoxane Hydrochloride
Protection against anthracycline-induced cardiotoxicity

Dextran (rINN) deks·trän
Polyanhydroglucose produced by the action of Leuconostoc mesenteroides on sucrose and subsequent controlled hydrolysis and fractionation of the high molecular weight dextran thus formed, or the same substance obtained by any other means. The weight-average molecular weight is referred to by a specifying number: eg dextran 40, 45, 70, 110, 150. The number multiplied by 1000 corresponds to the approximate weight-average molecular weight, eg dextran 40 has a weight-average molecular weight of about 40,000; 9004-54-0
Plasma substitute

Dextranomer (rINN) deks·tra·no·mer
Dextran cross-linked with 1-chloro-2,3-epoxypropane; 56087-11-7
Fluid absorber; treatment of burns, wounds, and skin ulcers; preparation for skin grafting

Dextriferron (rINN) deks·tri·fe·ron
A colloidal solution of iron(III) hydroxide in complex with partially hydrolysed dextrin; 8063-26-1
Treatment of iron deficiency

Dextrin (BAN) deks·trin
Maize or potato starch partially hydrolysed by heat with or without the aid of suitable acids or buffers; 9004-53-9
Excipient

Dextromethorphan (rINN) deks·tro·me·thor·fan
(1) (+)-3-Methoxy-17-methylmorphinan; (2) (9S,13S,14S)-6,18-Dideoxy-7,8-dihydro-3-O-methylmorphine; C₁₈H₂₅NO; 125-71-3
Dextromethorphan Hydrobromide
6700-34-1 (monohydrate); 125-69-9 (anhydrous)
Opioid receptor agonist; cough suppressant

Dextromoramide (rINN) deks·тро·mo·ra·mid
(S)-1-(3-Methyl-4-morpholino-2,2-diphenylbutyryl) pyrrolidine; C₂₅H₂₅N₂O₂; 357-56-2
Dextromoramide Tartrate 2922-44-3
Opioid receptor agonist; analgesic

The symbol ‘¬’ in systematic chemical names signifies line continuation
Dextropropoxyphene (rINN) deks-trö-prö-kő-ë-fén
(1S,2R)-1-Benzyl-3-dimethylamino-2-methyl-1-phenylpropyl
propionate; C₂₂H₂₉NO₂; 469-62-5
• Dextropropoxyphene Hydrochloride propoxyphene
hydrochloride (USAN); 1639-60-7
• Dextropropoxyphene Napsilate (rINN) 26570-10-5
  Opioid receptor agonist; analgesic

Dextrophan (rINN) deks-trö-fán
(+)17-Methylmorphinan-3-ol; C₁₇H₂₃NO; 125-73-5
  N-methyl-D-aspartate (NMDA) receptor antagonist;
  cough suppressant

Dextrothyroxine (rINN) see Appendix C

Diacerein (rINN) dï·a·se-ren
4,5-Bis(acetyloxy)-9,10-dioxo-9,10-dihydroanthracene-2-
carboxylic acid; C₁₉H₁₂O₈; 13739-02-1
  Anti-inflammatory used in the treatment of arthritis and
  osteoarthritis

Diacetate (rINN) see Appendix C

Diacylvalerophenone (BAN) dï·a-së-til na lor-fén
(1) (−)-(5R,6S)-17-Allyl-4,5-epoxymorphin-7-en-3,6-diyl
diacetate; (2) 3,6-Di-O-acetyl-17-allyl-17-normorphone;
C₂₃H₂₇NO₅; 2748-74-5
  Opioid receptor agonist

Diamocaine (rINN) dï·a mó-kän
2-[1-(2-Anilinoethyl)-4-phenyl-4-piperidyl]oxy]ethyl-N-
diethylamine; C₂₅H₃₇N₃O; 27112-37-4
  Local anaesthetic

Diamorphine (BAN) di·a·mor-fén
4,5-Epoxy-17-methylmorphinan-3,6-diyldiacetate; C₂₁H₂₃NO₅;
561-27-3
• Diamorphine Hydrochloride 1502-95-0
  Opioid receptor agonist; analgesic

Diamfenetide (rINN) di·am·fe·net·ïd
  β,β’-Oxydi(aceto-p-phenetidide); C₃₀H₂₄N₂O₅; 36141-82-9
  Antihelminthic (veterinary)

Diamide (rINN) see Appendix C

Diamthazole (rINN) see Appendix C

Diatrizoic Acid see Amidotrizoic Acid
**Diaveridine** (rINN) dí-a-ver-i-dën
5-Veratrylpyrimidine-2,4-diyldiamine; C_{13}H_{16}N_{4}O_{2}; 5355-16-8
Antiprotozoal

![Diagram of Diaveridine]

- **Diazepam** (rINN) dí-à-ze-pam
7-Chloro-1,3-dihydro-1-methyl-5-phenyl-1,4-benzodiazepein-2-one; C_{16}H_{13}ClN_{2}O; 439-14-5
Benzodiazepeine

![Diagram of Diazepam]

**Diazinon** see Dimpylate

- **Diazoxide** (rINN) dí-a-zoks-i-d 7-Chloro-3-methyl-2H-1,2,4-benzothiadiazine 1,1-dioxide; C_{8}H_{7}ClN_{2}O_{2}S; 364-98-7
Vasodilator; treatment of hypertension

![Diagram of Diazoxide]

**Dibekacin** (rINN) dí-be-ka-sín
6-O-(3-Amino-3-deoxy-a-D-glucopyranosyl)-2-deoxy-4-O-(2,6-diamino-2,3,4,6-tetraeueoxy-a-D-erythro-hexopyranosyl)-o-streptamine; 3',4’-dideoxykanamycin B; C_{18}H_{37}N_{5}O_{8}; 34493-98-6
Aminoglycoside antibacterial

![Diagram of Dibekacin]

**Dibekacin Sulfate** 58580-55-5

**Dibroxpropamidine** (rINN) dí-brom-prö-pa-mi-dën
3,3´-Dibromo-4,4´-trimethylenedioxydibenzamidine; C_{17}H_{18}Br_{2}N_{4}O_{2}; 496-00-4
Antiseptic

![Diagram of Dibrompropamidine]

**Dibrompropamidine Isetionate** 614-87-9
Antiseptic

**Dibupyrone** (rINN) see Appendix C

**Dichlofenthion** (BAN) dí-klo-fen-thï-on
O-O-2,4-Dichlorophenyl O,O-diethyl phosphorothioate; C_{10}H_{13}Cl_{2}O_{3}PS; 97-17-6
Organophosphorus insecticide

![Diagram of Dichlofenthion]

**Dichloralphenazone** (rINN) see Appendix C

- **Dichlophenon** (rINN) dí-klor-rö-fen
2,2´-Methylenbis(4-chlorophenol); C_{13}H_{10}Cl_{2}O_{2}; 97-23-4
Antihelminthic

![Diagram of Dichlophenon]

**Dichlorophenarsine** (rINN) dí-klor-rö-fe-nar-sën
3-Amino-4-hydroxyphenyldichloroarsine; C_{6}H_{6}AsCl_{2}NO; 455-83-4
Antifungal

![Diagram of Dichlorophenarsine]

**Dichloroxylenol** (rINN) dí-klor-ro-zi-le-nol
2,4-Dichloro-3,5-xylenol; C_{8}H_{8}Cl_{2}O; 133-53-9
Antiseptic

![Diagram of Dichloroxylenol]

The symbol ‘¬’ in systematic chemical names signifies line continuation
Dichlorphenamide see Dichlofenamide

Dichlorvos (rINN) 2,2-Dichlorovinyl dimethyl phosphate; C₈H₂Cl₂O₄P; 62-73-7 Antihelminthic; insecticide (veterinary)

Dichromium Trioxide (BAN) Chromium(III) sesquioxide; Cr₂O₃; 1308-38-9 Diagnostic agent

Diclazuril (rINN) (±)-4-Chlorophenyl[2,6-dichloro-4-(2,3,4,5-tetrahydro-3,5-dioxo-1,2,4-triazin-2-yl)phenyl]acetonitrile; C₁₇H₉Cl₃N₄O₂; 101831-37-2 Antiprotozoal (veterinary); coccidiosis

Diclofenac (rINN) [2-(2,6-Dichloroanilino)phenyl]acetic acid; C₁₄H₁₁Cl₂NO₂; 15307-86-5

Diclofenac Diethylamine

Diclofenac Potassium

Diclofenac Sodium 15307-79-6 Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Diclofenamide (rINN) see Appendix C

Dicloxacillin (rINN) 6-[3-(2,6-Dichlorophenyl)-5-methyl-1,2-oxazole-4-carboxamido]penicillanic acid; C₁₉H₁₇Cl₂N₃O₅S; 101831-37-2

Dicloxacillin Sodium 13412-64-1 (monohydrate); 343-55-5 (anhydrous) Penicillin antibacterial

Dicobalt Edetate (rINN) Cobalt [ethylenediaminetetra-acetato(4-)]-N,N',O,O'cobalt(tl); C₁₀H₁₂Co₂N₂O₈; 36499-65-7 Treatment of cyanide poisoning

Dicyclomine see Dicycloverine

Dicycloverine (rINN) 1-N,N'-didehydro-7,13-dihydro-5H-dibenzo[b,d]pyran-5,10-dione; C₁₂H₁₀N₂O₂; 67-92-5 Anticholinergic

Didanosine (rINN) 2',3'-dideoxy-1,9-dihydro-9β-D-ribofuranosyl-6H-purine-6-one; 2',3'-dideoxyinosine; DDI; C₁₀H₁₂N₄O₃ Nucleoside reverse transcriptase inhibitor; antiviral (HIV)

Dieldrin (rINN) see Appendix C

Dienestrol (dienoestrol) 4,4´-(bis[(E)-ethylidene]ethylene) diphenol; C₂₄H₁₈O₂; 84-17-3 Estrogen

Dienogest (rINN) 17β-Hydroxy-3-oxo-19-nor-17α-pregna-4,9-diene-21-nitrile; C₂₀H₂₅NO₂; 65928-58-7 Progestogen
Diethadione (rINN) see Appendix C

Diethazine (rINN) di’eth a-zên
2-(Phenothiazin-10-yl)ethyldiethylamine; C_{19}H_{22}N_{2}S; 60-91-3
Anticholinergic

Diethylcarbamazine (rINN) di’ëth kar ba’ ma-zên
N,N-Diethyl-4-methylpiperazine-1-carboxamide; C_{10}H_{21}N_{3}O; 90-89-1
• Diethylcarbamazine Citrate 1642-54-2
Antihelminthic

Diethylpropion (rINN) di’ëth prö-pë’ pon
α-Diethylaminopropiophenone; amfepramone (pINN); C_{13}H_{19}NO; 90-84-6
• Diethylpropion Hydrochloride 134-80-5
Appetite suppressant

Diethylstilbestrol (rINN) di’ëth stil-strol
(E)-4,4’-(1,2-Diethylvinylene)diphenol; C_{18}H_{20}O_{2}; 56-53-1
Estrogen

Diethylthiambutene (rINN) di’ëth-thëm bu’tên
Diethyl[3,3-di-(2-thienyl)-1-methylprop-2-enyl]amine; C_{16}H_{18}NS; 86-14-6
Diethylthiambutene Hydrochloride
Opioid receptor agonist

Diethyltoluamide (rINN) di’ëth-tü-amid
N,N-Diethyl-m-toluamide; C_{12}H_{17}NO; 134-62-3
Insecticide

Difenidol (rINN) di’fe-ni-dol
1,1-Diphenyl-4-piperidinobutan-1-ol; C_{26}H_{27}NO; 972-02-1
Antiemetic

Difenoxin (rINN) di’fen-oks’in
1-(3-Cyano-3,3-diphenylpropyl)-4-phenylpiperidine-4-carboxylic acid; C_{29}H_{32}N_{2}O_{2}; 28782-42-5
Opioid receptor agonist

Difetarsone (rINN) di’fe tar-sön
N,N’-Ethylenebis(4-aminophenylarsonic acid); C_{14}H_{18}As_{2}N_{2}O_{6}; 3639-19-18
Antiprotozoal

Diflucar (rINN) di’flü-kar
6α,9α-Difluoro-11β,17α,21-trihydroxy-16β-methylpregna-1,4-diene-3,20-dione; C_{22}H_{29}F_{3}O_{5}; 2557-49-5
Diflucar Diacetate 33564-31-7
Glucocorticoid

The symbol ‘¬’ in systematic chemical names signifies line continuation
**Difloxacin (rINN) di·flok′s·sin**
6-Fluoro-1-(4-fluorophenyl)-7-(4-methylpiperazin-1-yl)-4-oxo-1,4-dihydroquinolene-3-carboxylic acid; C₂₁H₁₉F₂N₃O₃; 98106-17-3
**Difloxacin Hydrochloride**
Fluoroquinolone antibacterial

**Diflucortolone (rINN) di·floo·kor·to·lön**
6α,9α-Difluoro-11β,21-dihydroxy-16α-methylpregna-1,4-diene-3,20-dione; C₂₂H₂₈F₂O₄; 2607-06-9
**Diflucortolone Valerate** 59198-70-8
Glucocorticoid

**Diflumidone (rINN) di·floo·mi·dön**
3′-Benzoyldifluoromethanesulfonanilide; C₁₄H₁₁F₂NO₃S; 22736-85-2
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

**Digitoxin (rINN) di·ji·tok′s·in**
3β-[O-2,6-Dideoxy-β-D-ribo-hexopyranosyl-(1→4)-O-2,6-dideoxy-β-D-ribo-hexopyranosyl-(1→4)-2,6-dideoxy-β-D-ribo-hexopyranosyl]oxy]-14β-dihydroxy-5β-card-20(22)-enolide; C₄₁H₆₄O₁₄; 20830-75-5
Na /K-ATPase inhibitor; cardiac glycoside

**Dihydralazine (rINN) di·hi·dra·lazen**
Phthalazine-1,4-diylhydrazine; C₈H₁₀N₆; 484-23-1
**Dihydralazine Sulfate** 7327-87-9
Vasodilator

**Dihydrocodeine (rINN) di·hi·dرو·ko·deen**
4,5-Epoxy-3-methoxy-17-methylmorphinan-6-ol; C₁₉H₂₄NO₄; 125-28-0
**Dihydrocodeine Tartrate** 5965-13-9
Opioid receptor agonist; analgesic
**Dihydroergocristine** (rINN) di-hi·drö·er·go·kris·tën
(1) (2′R,5′S)-5′-Benzyl-9,10-dihydro-12′-hydroxy-2′-isopropyl-18-oxoergotaman-3′,6′-dione;
(2) (6αR,9R,10αR)-N-[(2R,5S,10αS,10βS)-5-Benzyl-10β-hydroxy-6-isopropyl-3,6-dioxoctahydropyridazino[1,3-c]oxazolo[3,2-a]pyrrolo[2,1-y]pyrazin-2-yl]-7-methyl-4,6,6a,7,8,9,10,10α-octahydropyridolol[4,3-fg]quinoline-9-carboxamide;
C₃₅H₃₄N₅O₅; 17479-19-5

**Dihydroergocristine Mesilate** 24730-10-7
Vasodilator

**Dihydroergotamine** (rINN) see Appendix C

**Dihydrostreptomycin** (rINN) di-hi·drö·strep·to·mi·nën
O-2-Deoxy-2-methylamino-D-glucopyranosyl-(1→2)-O-5-deoxy-3-C-hydroxymethyl-D-lyxofuranosyl-(1→4)-N,N-diamidino-β-streptamidim; C₁₂H₂₁N₇O₁₂; 128-46-1

**Dihydrostreptomycin Sulfate** 5490-27-7
Aminoglycoside antibacterial

**Dilevalol** di·le·val·ol
5-{(R)-1-Hydroxy-2-[{(R)-1-methyl-3-phenylpropylamino}ethyl]salicylamide; C₁₉H₂₄N₂O₃; 75659-08-4

**Dilevalol Hydrochloride** 75659-07-3
Beta-adrenoceptor antagonist

**Diloxanide** (rINN) di·loks·a·nid
2,2-Dichloro-4′-hydroxy-N-methylacetanilide; C₉H₉Cl₂NO₂; 579-38-4

**Diloxanide Furoate** 3736-81-0
Antiprotozoal

**Diltiazem** (rINN) di·lit·i·a·zem
(2S,3S)-5-(2-Dimethylaminoethyl)-2,3,4,5-tetrahydro-2-(4-methoxy phenyl)-4-oxo-1,5-benzothiazepin-3-yl acetate; C₂₂H₂₆N₂O₄S; 42399-41-7

**Diltiazem Hydrochloride** 33286-22-5
Calcium channel blocker

**Dimefline** (rINN) see Appendix C

**Dimenhydrinate** (rINN) di·men·hi·dri·nät
2-Benzhydryloxyethyldimethylammonium 8-chloro-1,2,3,6-tetrahydro-1,3-dimethyl-2,6-dioxo-7H-purin-7-ide; C₁₉H₂₈NO.C₂H₅ClN₄O₂; 523-87-5
Histamine H₁ receptor antagonist; antihistamine

**Dimenhydrinate** (rINN) di·men·oks·a·dol
2-Dimethylaminoethyl 2-ethoxy-2,2-diphenylacetate; C₂₀H₂₅NO; 509-78-4
Opioid receptor agonist

**Dimexonadol** (rINN) di·men·oks·a·dol
2-Dimethylaminoethyl 2-ethoxy-2,2-diphenylacetate; C₂₀H₂₅NO; 509-78-4
Opioid receptor agonist
Dimepheptanol (rINN) dime·phep·ta·nol
6-Dimethylamino-4,4-diphenylheptan-3-ol; C_{21}H_{29}NO; 545-90-4
Opioid receptor agonist

Dimepregnen (rINN) dime·pre·gen
3β-Hydroxy-6α,16α-dimethylpregn-4-en-20-one; C_{23}H_{36}O_{2}; 21208-26-4
Antiestrogen

Dimepropion see Metamfepramone

Dimercaprol (rINN) dime·ka·prol
2,3-Dimercaptopropan-1-ol; BAL; C_{3}H_{8}OS_{2}; 59-52-9
Chelating agent for use in heavy metal poisoning

Dimesone (rINN) dime·sön
9α-Fluoro-1β,21-dihydroxy-16α,17α-dimethylpregna-1,4-diene-3,20-dione; C_{27}H_{30}O_{6}; 25092-07-3
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Dimethisterone (rINN) dime·thi·ste·rön
17β-Hydroxy-6α,21-dimethyl-17α-pregn-4-en-20-yn-3-one; C_{27}H_{34}N_{2}O; 79-64-1
Progestogen

Dimethothiazine see Dimetotiazine

Dimethoxanate (rINN) dime·thoks·a·nät
2-(2-Dimethylaminoethoxy)ethyl phenothiazine-10-carboxylate; C_{26}H_{36}N_{2}O_{3}S; 477-93-0
Cough suppressant

Dimethyl Sulfoxide (rINN) dime·thi sul·foks·ïd
Dimethyl sulfoxide; DMSO; C_{2}H_{6}OS; 67-68-5
Pharmaceutical solvent; excipient

Dimethylthiambutene (rINN) dime·thi am·bût·ën
Dimethyl[3,3-di-(2-thienyl)-1-methylprop-2-enyl]amine; C_{16}H_{18}N_{2}S_{2}; 524-84-5
Opioid receptor agonist

Dimethyltubocurarine (rINN) dime·thi tüs·bo·kûr·rä·rën
Dimethyl ether of (+)-tubocurarine; C_{29}H_{42}N_{2}O_{6}; 33335-58-9
Opioid receptor agonist
Dimeticone (rINN) dí me-tí-kön
Poly(dimethylsiloxane); each dimeticone name is followed by a number referring to the viscosity of the substance:
eg dimeticone 20 (viscosity of 17.0 to 23.0 centistokes)
dimeticone 200 (viscosity of 190 to 210 centistokes); 9006-65-9
Antifoaming agent; water repellent

Dimetindene (rINN) dí me·tin·dên
Dimethyl(2-[3-[1-(2-pyridyl)ethyl]-1H-inden-2-yl]ethyl)amine; C\textsubscript{20}H\textsubscript{24}N\textsubscript{2}; 5636-83-9

Dimetindine Maleate 3614-69-5
Histamine H\textsubscript{1} receptor antagonist; antihistamine

Dimetotiazine (rINN) see Appendix C

Dimetridazole (rINN) dí me·tri·da·zôl
1,2-Dimethyl-5-nitroimidazole; C\textsubscript{5}H\textsubscript{7}N\textsubscript{3}O\textsubscript{2}; 551-92-8
Antiprotozoal (veterinary)

Diminazene (rINN) dí mi·na·zên
1,3-Bis(4-amidinophenyl)triazene; C\textsubscript{14}H\textsubscript{15}N\textsubscript{7}; 536-71-0
Diminazene Acetate 908-53-4
Antiprotozoal (veterinary)

Dimpylate (rINN) dí mi·pi·lät
O,O-Diethyl O-(2-isopropyl-6-methylpyrimidin-4-yl) phosphorothioate; C\textsubscript{12}H\textsubscript{21}N\textsubscript{2}O\textsubscript{3}PS; 333-41-5
Insecticide (veterinary)

Dinilomide (rINN) dí ni·tol·mïd
3,5-Dinitro-o-toluamide; C\textsubscript{8}H\textsubscript{8}N\textsubscript{2}O\textsubscript{2}; 148-01-6
Antiprotozoal (veterinary)

Dinoprost (rINN) dí no·prost
(1) (Z)-(7-[[1R,2R,3R,5S]-3,5-Dihydroxy-2-[(E)-(3S)-3-hydroxyoct-1-etyl]cyclopentyl]hept-5-enolic acid;
(2) (5Z,13E)-(9S,11R,15S)-9,11,13-Trinhydroxyprosta-5,13-dienoic acid; prostaglandin F\textsubscript{2\alpha}; C\textsubscript{20}H\textsubscript{22}O\textsubscript{5}; 337-11-1

Dinoprost Trometamol 38562-01-5
Prostaglandin F\textsubscript{2\alpha} (PGF\textsubscript{2\alpha}); inducer of uterine muscle contraction

Dinoprostone (rINN) dí no·pro·tön
(1) (Z)-7-[[1R,2R,3R]-3-Hydroxy-2-[(E)-(3S)-3-hydroxyoct-1-etyl]cyclopentyl]hept-5-enolic acid;
(2) (5Z,13E)-11R,15S-Dihydroxy-9-oxoprosta-5,13-dienoic acid; prostaglandin E\textsubscript{2}; C\textsubscript{20}H\textsubscript{22}O\textsubscript{5}; 363-24-6
Prostaglandin E\textsubscript{2} (PGE\textsubscript{2}); inducer of uterine muscle contraction

Diosmin (rINN) dí os·min
7-[6-O-(6-Deoxy-α-L-mannopyranosyl)-β-D-gluco.pyranosyl]oxy]-5-hydroxy-2-(3-hydroxy-4-methoxyphenyl)-4H-1-benzopyran-4-one; C\textsubscript{29}H\textsubscript{28}O\textsubscript{12}; 520-27-4
Chronic venous insufficiency (flavonoid)

Dioxamate (rINN) dí oks·a·mät
2-Methyl-2-nonyl-1,3-dioxolan-4-ylmethyl carbamate; C\textsubscript{12}H\textsubscript{25}NO\textsubscript{2}PS; 3567-40-6
Treatment of Parkinson’s disease

The symbol ‘¬’ in systematic chemical names signifies line continuation
**Dioxaphetyl Butyrate** (rINN) di-oks’a-fē til bu’ti-rāt
Ethyl 4-morpholinolo-2,2-diphenylbutyrate; C₃₂H₃₂NO₃; 467-86-7
Opioid receptor agonist

**Dioxation** (rINN) di-oks’ā-ō’-ō’n
A mixture consisting essentially of cis-and trans-S,S’-1,4-dioxan-2,3-diy1 bis(O,O-diethyl phosphorodithioate); C₁₉H₂₆O₆P₂S₄; 78-34-2
Organophosphorus insecticide

**Diphenidol** see Dipenidol

**Diphenoxylate** (rINN) di-fe-oks’i-lā’t
Ethyl 1-(3-cyano-3,3-diphenylpropyl)-4-phenylpiperidine-4-carboxylate; C₃₀H₃₂N₂O₂; 915-30-0
**Diphenoxylate Hydrochloride** 3810-80-8
Opioid receptor agonist; treatment of diarrhoea

**Diphenhydramine** (rINN) di-fen’-hï-dra’mën
2-Benzhydryloxyethyl(dimethyl)amine; C₁₇H₂₁NO; 58-73-1
**Diphenhydramine Hydrochloride** 147-24-0
Histamine H₁ receptor antagonist; antihistamine

**Diphenylpyraline** (rINN) di-fën’-pi-ra’-lën
4-Benzhydryloxy-1-methylpiperidine; C₁₉H₂₃NO; 147-20-6
**Diphenylpyraline Hydrochloride** 132-18-3
Histamine H₁ receptor antagonist; antihistamine

**Diphenylpyraline** (rINN) di-fe-nil pi’-ra’-lën
4-Benzhydryloxy-1-methylpiperidine; C₁₉H₂₃NO; 147-20-6
**Diphenylpyraline Hydrochloride** 132-18-3
Histamine H₁ receptor antagonist; antihistamine

**Diphen amine** (rINN) di-fë-nil-pee-në’m
4,4-Diphenyl-6-piperidinoheptan-3-one; C₂₄H₂₁NO; 467-83-4
**Diphenamidine** 856-87-1
Opioid receptor agonist

**Diphenylene** (rINN) di-fe-nil-pee’në’m
4,4-Diphenyl-6-piperidinoheptan-3-one; C₂₄H₂₁NO; 467-83-4
**Diphenylene Hydrochloride** 856-87-1
Opioid receptor agonist
Dipronium Bromide \( \text{INN} \) dip‘rō‘num brō·mïd
2-(Dicyclopentylacetoxy)ethyltriethylammonium bromide;
\( \text{C}_{20}\text{H}_{38}\text{BrNO}_{2}; 2001-81-2 \)
Anticholinergic

Diprenorphine \( \text{INN} \) dip‘ren·or·fën
(1) \( 2-\{-(5\text{R},6\text{R},7\text{R},14\text{S})-17\text{-Cyclopropylmethyl}-4,5\text{-epoxy}-3\text{-hydroxy-6-methoxy-6,14-ethanomorphinan}-7\text{-yl}\}\text{propan}-2\text{-ol}; \)
(2) \( (6\text{R},7\text{R},14\text{S})-17\text{-Cyclopropylmethyl}-7,8\text{-dihydro}-7\text{-}(1\text{-hydroxy-1-methylethyl})\text{-6-O-methyl-6,14-ethano-17-normorphine}; \)
\( \text{C}_{26}\text{H}_{35}\text{NO}_{4}; 14357-78-9 \)
† Diprenorphine Hydrochloride 16808-86-9
Opioid receptor antagonist (veterinary)

Diprobutine \( \text{INN} \) see Appendix C

† Diprophylline \( \text{INN} \) dip‘rō·fi·lën
7-(2,3-Dihydroxypropyl)theophylline; \( \text{C}_{10}\text{H}_{14}\text{N}_{4}\text{O}_{4}; 479-18-5 \)
Non-selective phosphodiesterase inhibitor (xanthine);
treatment of reversible airways obstruction

Diproteverine \( \text{INN} \) dip‘rō·te·ver·rën
1-(3,4-Diethoxybenzyl)-3,4-dihydro-6,7-di-isopropoxy-Ø isoquinoline; \( \text{C}_{26}\text{H}_{35}\text{NO}_{4}; 69373-95-1 \)

Diproteverine Hydrochloride 69373-88-2
Calcium channel blocker; treatment of angina pectoris

Dirithromycin \( \text{INN} \) di·ri·thrö·mi·cin
\( (1\text{R},2\text{R},3\text{R},6\text{R},7\text{R},8\text{S},9\text{R},10\text{R},12\text{R},13\text{S},15\text{R},17\text{S})-7\text{-4,2,6-Dideoxy-3-C,3-O-dimethyl-6-ribo-hexopyranosyloxy-3-ethyl-2,10-dihydroxy-15-(2-methoxyethoxymethyl)-2,6,8,10,12,17-hexamethyl-9-(3,4,6-trideoxy-3-dimethylamino-β-L-xylo-hexopyranosyloxy)-4,16-dioxahexadec-5-one; \)
\( \text{C}_{42}\text{H}_{78}\text{N}_{2}\text{O}_{14}; 62013-04-1 \)
Macrolide antibacterial

The symbol ‘¬’ in systematic chemical names signifies line continuation
Disodium Edetate see Edetic Acid

Disofenin (rINN) see Appendix C

**Disopyramide** (rINN) dī·so·py·rā·mïd
4-Di-isopropylamino-2-phenyl-2-(2-pyridyl)butyramide; C₂₁H₂₉N₃O; 3737-09-5

**Disopyramide Phosphate** 22059-60-5
Class I antiarrhythmic

**Dispersible Cellulose** (BAN)
Microcrystalline cellulose containing about 10% of carmellose sodium
Excipient

Distigmine Bromide (rINN) dī·stï·g·mïn
3,3’-[(N,N’-Hexamethylenebis(methylcarbamoyloxy)]bis(1-methylpyridinium bromide); C₇₂H₅₂Br₂N₂O₂; 15876-67-2
Cholinesterase inhibitor

Disulphamide see Disulfamide

**Disulfram** (rINN) dī·sul·fî·ram
Tetraethylthiuram disulfide; C₁₀H₉N₂S₂; 97-77-8
Aldehyde dehydrogenase inhibitor; treatment of alcoholism

Dithiazanine (rINN) dī·thï·a·za·nën
3-Ethyl-2-[5-(3-ethyl-1,3-benzothiazol-2-ylidene)penta-1,3-dienyl]-1,3-benzothiazoliurn (cation); C₂₅H₂₅N₂S₂; 514-73-8
Antihelminthic

Dithranol (rINN) dī·thra·nol
1,8-Dihydroxyanthrone; dioxyanthranol; anthralin; C₁₆H₁₂O₂; 1143-38-0; 480-22-8
Dithranol Triacetate 16203-97-7
Coal tar extract; treatment of psoriasis

Ditophal (rINN) dī·tō·fal
S,S’-Diethyl dithioisophthalate; C₁₁H₁₁O₂S₂; 584-69-0
Antileprosy drug

Dobutamine (rINN) dō·bu·tä·mën
(±)-4-[2-(3-Benzyl(isobutylthio)phenyl)ethyl]pyrocatechol; C₁₈H₂₃NO₃; 34368-04-2

**Dobutamine Hydrochloride** 49745-95-1
Beta₁-adrenoceptor agonist

**Docetaxel** (rINN) dō·së·taks
Taxane antineoplastic
The symbol ‘·’ in systematic chemical names signifies line continuation.
Dopexamine (rINN) dö·pex·ə·mën
4-[2-[6-(Phenethylamino)hexylamino]ethyl]pyrocatechol; C₁₂H₁₈N₂O₂; 86197-47-9
• Dopexamine Hydrochloride 86484-91-5
  Beta₂-adrenoceptor agonist; bronchodilator

Doramectin (rINN) dor·ra·mek·tin
Antihelminthic (veterinary)

Dornase Alfa (rINN) dor·näs al·fa
Recombinant human deoxyribonuclease I, derived from cloned human pancreatic deoxyribonuclease I and having the same amino acid sequence and glycosylation pattern as human deoxyribonuclease I. It is capable of enzymatic digestion of high molecular weight, leukocyte-derived, extracellular DNA; 143831-71-4
Mucolytic, DNA hydrolysis; treatment of cystic fibrosis

For labelling purposes, the following three letter code, to indicate the method of production, is approved:
(rch) produced from genetically engineered Chinese hamster ovary cells.

dornase alfa has the following amino acid sequence:

Dorzolamide (rINN) dor·zol·a·mid
(4S,6S)-4-Ethylamino-5,6-dihydro-6-methyl-4H-thieno[2,3-b]-thiopyran-2-sulfonamide 7,7-dioxide; C₁₀H₁₆N₂O₄S₃; 120279-96-1
• Dorzolamide Hydrochloride 130693-82-2
Carbonic anhydrase inhibitor; treatment of glaucoma and ocular hypertension

Dosulepin (rINN) dö·sü·le·pin
(E)-3-(Dibenzo[b,e]thiepin-11-ylidene)propyldimethylamine; C₁₉H₂₁NS; 113-53-1
• Dosulepin Hydrochloride 897-15-4 (monohydrate)
Monoamine reuptake inhibitor; tricyclic antidepressant

Dothiepin see Dosulepin

Doxacurium Chloride (rINN) doks·a·kur´ré·um
A mixture of the (1R,1'S,2S,2'R) and (1S,1'S,2R,2'R) stereoisomers (a meso isomer and two enantiomers respectively) of 1,1',2,2',3,3',4,4'-octahydro-6,6',7,7',8,8'-hexamethoxy-2,2'-dimethyl-1,1'-bis(3,4,5-trimethoxybenzyl)-2,2'-[butanediolbis(oxytrimethylene)]diisoquinolinium dichloride, each isomer being in a trans configuration at the 1 and 2 positions of the isoquinolinium rings; C₃₈H₅₈Cl₂N₂O₈; 83348-32-1 (total racemate); 106819-53-8 (meso-isomer)
Non-depolarizing neuromuscular blocker

mixure of stereoisomers
**Doxapram** (rINN) doks·a·pram
(RS)-1-Ethyl-4-(2-morpholinoethyl)-3,3-diphenyl-2-pyrrolidone; C₂₄H₃₀N₂O₂; 309-29-5

- **Doxapram Hydrochloride** 7081-53-0; 113-07-5 (anhydrous)
  Respiratory stimulant

- **Doxapram**

**Doxazosin** (rINN) doks·ä·zö·sin
2-[4-(2,3-Dihydro-1,4-benzodioxin-2-ylcarbonyl)piperazin-l-yl]-6,7-dimethoxyquinazolin-4-ylamine; C₂₃H₂₅N₅O₅; 74191-85-8

- **Doxazosin Mesilate** 77883-43-3
  Alpha₁-adrenoceptor antagonist

**Doxepin** (rINN) doks·ë·pin
(E)-3-(Diben[z,b,e]oxepin-11-ylidene)propyldimethylamine; C₁₉H₂₁NO; 1668-19-5

- **Doxepin Hydrochloride** 1229-29-4
  Monoamine reuptake inhibitor; tricyclic antidepressant

- **Doxepin**

**Doxibetasol** (rINN) doks·ë·ta·sol
9a-Fluoro-11b,17a-dihydroxy-16β-methylpregna-1,4-diene-3,20-dione; C₂₂H₂₉FO₄; 1879-77-2

- **Glucocorticoid**

**Doxorubicin** (rINN) doks·ö·bi·sin
An anthracycline antibacterial produced by *Streptomyces coeruleorubidus* or *S. peucetius* var. coesius; (8S,10S)-10-[(3-amino-2,3,6-trIDEOXY-α-L-HYXO-HEXOPYRANOSYLOXY)-8-HYDROXYACETYL-6,8,11-trihYDROXY-1-METHOXY-7,8,9,10-TETRAHYDROPHENACENE-5,12-DIONE; 3-HYDROXYACETYL-DAUNORUBICIN; C₂₇H₂₉NO₁₁; 23214-92-8

- **Doxorubicin Hydrochloride** 25316-40-9
  Anthracycline antibacterial; antineoplastic

- **Doxorubicin**

**Doxycycline** (rINN) doks·ë·sï·klën
(1) (4S,4aR,5S,5aR,6R,12aS)-4-Dimethylamino-1,4,4a,5,5a,6,7,11-octahydro-2-carboxamide; (2) 6-Deoxy-5β-hydroxytetraacycline; C₂₂H₂₉NO₅; 564-25-0

- **Doxycycline Hydrochloride**
  Tetracycline antibacterial

**Doxycycline**

**Doxylamine** (rINN) doks·ë·la·mën
Dimethyl-2-[α-methyl-α-(2-pyridyl)benzoxo]ylethylamine; C₁₉H₂₂NO; 469-21-6

- **Doxylamine Succinate** 562-10-7
  Histamine H₁ receptor antagonist; antihistamine

- **Doxylamine**

**Draflazine** (rINN) dra·fla·zën
(+)-1-(4-Amino-2,6-dichlorocarbaniloylmethyl)-4-[5,5-bis(4-fluorophenyl)pentyl]piperazine-2-carboxamide; C₉₃H₇₃Cl₂F₂N₂O₂; 120770-34-3

- **Nucleoside transport inhibitor; treatment of angina pectoris (vasodilator)**

The symbol ‘¬’ in systematic chemical names signifies line continuation
**Dronedarone** (rINN) drö·né·dá·rón
N-[2-Butyl-3-{4-[3-(dibutylamino)propoxy]benzoyl}-5-benzo furyl]methanesulfonamide; C_{31}H_{44}N_{2}O_{5}S; 141626-36-0
**Dronedarone Hydrochloride** 141625-93-6
Antiarrhythmic

**Droperidol** (rINN) drö·pe·ri·dol
1-[1-[3-(4-Fluorobenzoyl)propyl]-1,2,3,6-tetrahydro-4-pyridyl]benzimidazolin-2-one; C_{22}H_{22}FN_{3}O_{2}; 548-73-2
Dopamine receptor antagonist; Beta-adrenoceptor agonist; alpha-adrenoceptor agonist; antipsychotic

**Dropropizine** (rINN) drö·pro·pi·zën
3-(4-Phenylpiperazin-1-yl)propane-1,2-diol; C_{13}H_{20}N_{2}O_{2}; 17692-31-8
Cough suppressant

**Drospirenone** (rINN) drö·spi·re·nön
6β,7β:15β,16β-dimethylene-3-oxo-17α-pregn-4-ene-21-carbolactone; C_{24}H_{30}O_{3}; 67392-87-4
Aldosterone receptor antagonist

**Drostanolone** (rINN) drö·sta·no-lön
17β-Hydroxy-2a-methyl-5α-androstan-3-one; dromostanolone; C_{20}H_{32}O_{2}; 58-19-5
Drostanolone Propionate 521-12-0
Androgen
Droxypropine (rINN) see Appendix C

Duloxetine (rINN) dü·lōks·e·tên
(5)-N-Methyl-3-(1-naphthoxy)-3-(2-thienyl)propan-1-amine; C₁₈H₁₉NOS; 116559-59-4

Duloxetine Hydrochloride 136434-34-9
Inhibition of 5HT and noradrenaline uptake; antidepressant

Dulaglutide (rINN) du·gloo·tïd
Glucagon-like peptide (GLP-1) receptor agonist (incretin mimetic); treatment of type II diabetes mellitus

dulaglutide has the following amino acid sequence:

Duloxetine Hydrochloride 536-43-6
Local anaesthetic

Dyclonine (rINN) dï·klö·nën
4'-Butoxy-3-piperidinopropiophenone; C₁₈H₂₃NO₂; 586-60-7
Dyclonine Hydrochloride 536-43-6
Local anaesthetic

Dyflos (BAN) di·flos
Di-isopropyl phosphorofluoridate; C₆H₁₄FO₃P; 55-91-4
Acetylcholinesterase inhibitor

Dyflos (BAN) di·flos
Di-isopropyl phosphorofluoridate; C₆H₁₄FO₃P; 55-91-4
Acetylcholinesterase inhibitor

Ebastine (rINN) e·ba·stën
4'-tert-Butyl-4-[4-(benzhydryloxy)piperidino]butyrophenone; C₃₂H₃₉NO₂; 90729-43-4
Histamine H₁ receptor antagonist; antihistamine

Ecogramostim (rINN) e·kō·gra·mos·tim
Recombinant methionyl human granulocyte macrophage colony-stimulating factor; 123120-99-0
Recombinant methionyl human granulocyte macrophage colony-stimulating factor

Ecogramostim has the following amino acid sequence:

The symbol ¬ in systematic chemical names signifies line continuation
Econazole (rINN) ek̆o na zôl  
1-[2,4-Dichloro-b-(p-chlorobenzyloxy)phenethyl]imidazole;  
C₁₈H₁₅Cl₃N₂O; 27220-47-9  
Econazole Nitrate 68797-31-9  
Antifungal

\[
\text{Econazole} \quad \begin{array}{c}
\text{Cl} \\
\text{Cl} \\
\text{Cl}
\end{array}
\]

and enantiomer

Ecothiopate Iodide (rINN) e-kô-thî-ô-pât  
(2-Diethoxyphosphinylthioethyl)trimethylammonium iodide;  
C₉H₂₃INO₃PS; 513-10-0  
Cholinesterase inhibitor; cholinergic

\[
\text{Me}_3\text{N} \rightarrow \text{S} \rightarrow \text{P} \rightarrow \text{OEt}
\]

Ectylurea (rINN) ek̆i-lûr̆-rë-a  
(2-Ethylcrotonoyl)urea; C₇H₁₂N₂O₂; 95-04-5  
Hypnotic; anxiolytic

\[
\text{H} \rightarrow \text{Et} \rightarrow \text{N} \rightarrow \text{NH₂}
\]

Eculizumab (rINN) e-koo-li-zü-mab  
Immunoglobulin, anti-(human complement C5 α-chain)  
(human-mouse monoclonal 5G1.1 heavy chain), disulfide with human-mouse monoclonal 5G1.1 light chain, dimer;  
219685-50-4  
Monoclonal antibody; treatment of paroxysmal nocturnal haemoglobinuria

eculizumab has the following amino acid sequence:

\[
\text{Edetic Acid (rINN) e-dë'-tik} \quad \text{Ethylendiaminetetra-acetic acid; C}_{10}\text{H}_{16}\text{N}_{2}\text{O}_{8}; 60-00-4
\]

\[
\text{Disodium Edetate 139-33-3} \quad \text{Non-radioactive chemical precursor for diagnostic radiopharmaceutical}
\]

Edogestrone (rINN) e-dô jes-trôn  
3,3-Ethylendioxy-6-methyl-20-oxopregn-5-en-17α-yl acetate;  
C₂₆H₃₈O₅; 809-01-8  
Progestogen
Edratide (rINN) ed·ra·tīd
glycyI-l-tyrosyl-l-tyrosyl-l-tryptophyl-l-seryl-l-tryptophyl-l-isoleucyl-l-arginyl-l-glutaminyl-l-prolyl-l-prolylglycyl-l-lysylglycyl-l-glutamyl-l-tryptophyl-l-isoleucyl-
H-Gly-Tyr-Tyr-Trp-Ser-Trp-Ile-Arg-Gln-Pro
Pro-Gly-Lys-Gly-Glu-Glu-Trp-Ile-Gly-OH
Immunomodulator

Edrophonium Chloride (rINN) e·drö·fö·në·um
Ethyl(3-hydroxyphenyl)dimethylammonium chloride; C₁₀H₁₆ClNO; 116-38-1
Cholinesterase inhibitor

Efaroxan (rINN) e·fa·roks·an
(+)-2-(2-Ethyl-2,3-dihydrobenzo[b]furan-2-yl)-2-imidazoline; C₁₃H₁₆N₂O; 89197-32-0
Efaroxan Hydrochloride 89197-00-2
Alpha₂-adrenoceptor antagonist

Efavirenz (rINN) e·fa·vîr·renz
(S)-6-Chloro-4-(cyclopropylenyl)-1,4-dihydro-4-(trifluoromethyl)-3,1-benzoxazin-2-one; C₁₄H₉ClF₃NO₂; 154598-52-4
Non-nucleoside reverse transcriptase inhibitor; antiviral (HIV)

Eflornithine (rINN) ë·flor·ni·thën
2-Difluoromethyl-bt-ornithine; C₈H₂F₂N₂O₅; 67037-37-0
Antiprotozoal

Eletriptan (rINN) e·lë·trip·tan
(R)-2-[3-(1-Methylpyrrolidin-2-ylmethyl)indol-5-yl]ethyl phenyl sulfone; C₂₂H₂₆N₂O₂S; 143322-58-1
Eletriptan Hydrobromide
Serotonin 5HT₁ receptor agonist; treatment of migraine

Eliglustat (rINN) e·lig loo·stat
N-{[(1R,2R)-1-(2,3-Dihydro-1,4-benzoxin-6-yl)-1-hydroxy-3-(pyrrolidin-1-yl)propan-2-yl]octanamide; C₁₉H₉₀N₂O₄; 491833-29-5
Eliglustat Tartrate 928659-70-5
Glucosylceramide synthase inhibitor; treatment of type I Gaucher’s disease

Elliptinium Acetate see Appendix C

Efrotomycin (rINN) e·frö·tö·mï·sin
An antibacterial produced by Streptomyces lactamdurans and comprising three components: efrotomycin A₁, efrotomycin A₂ (an isomer of A₁) and efrotomycin B; C₅₉H₈₈N₂₀₂; 56592-32-6
Efrotomycin A₁: (R)-2-[(2R,3R,4R,6S)-4-{6-Deoxy-4-O-(6-deoxy-2,4-di-O-methyl-α-D-manno-hexopyranosyl)-3-O-methyl-β-O-allo-hexopyranosyloxy}-2,3-dihydroxy-5,5-dimethyl-6-[(1E,3Z)-penta-1,3-dienyl]perhydropyran-2-yl]N-{(2Z,4E)-6-(3S,5R,8R)-7-[(1E,3E,5E)-7,1-di-hydroxy-4-oxo-1-methyl-2-oxo-3-pyridyl]-6-methyl-7-o xohepta-1,3,5-trienyl}tetrahydro-3,4-dihydroxy-2-furyl]6-methoxy-5-methyocta-2,4-di enyl]butyramide
Efrotomycin A₂: As for efrotomycin A₁, except that for ‘(1E,3E,5E)’ read ‘(1E,3E,5Z)’
Efrotomycin B: (R)-2-[(2R,3R,4R,6S)-4-{6-Deoxy-4-O-(6-deoxy-2,4-di-O-methyl-α-D-manno-hexopyranosyl)-3-O-methyl-β-O-allo-hexopyranosyloxy}-2,3-dihydroxy-5,5-dimethyl-6-[(1E,3Z)-penta-1,3-dienyl]perhydropyran-2-yl]N-{(2Z,4E)-6-(3S,5R,8R)-7-[(1E,3E,5E)-7,1-di-hydroxy-4-oxo-1-methyl-2-oxo-3-pyridyl]-6-methyl-7-o xohepta-1,3,5-trienyl}tetrahydro-3,4-dihydroxy-2-furyl]6-methoxy-5-methyocta-2,4-di enyl]butyramide
Efrotomycin B: Ω

The symbol ‘¬’ in systematic chemical names signifies line continuation.
elosulfase alfa has the following amino acid sequence:

```
APQFPNILL LMDGMGWSDL GGYGEPQNET
PHLDRMAEG LLFNPYSAK PLCSPSRAAL
LTFGLFPQNG YTTNMAHRN AYTPQELVGG
IDSEQLELPE LKFNAYVKY IVGKHILGUP
PGFRPLHGP DENVFGPMCH FCPYDFKARF
NIPVYRoWEM VGHYVEFPPY NLNTGEAMLT
QIYQDALOF IRKQRHFFTH FLYMIVDATH
APVYASKPFL GTSQRGYSGD AVRIEDDSIG
KILELQDOCH VADNTPFVPT SDNGAALISA
PEQGSSGPFF LGKGQTTEPG GMRPEPALAW
PGHTAGQVS HQLGSIQDLD TTSLLAAGLT
PPSSRATGDL NLLPTIQLGR LMDPFLYR
GDTIMAATLG QAHAIFWTTW NSWENFROGI
DFKGQGQVSG VTHNLDNHT KLELIFKLRG
DGERPRLSDF AASARYQPSLS RITSVQUQHO
EALYPAQQL NVMNRAVMNV AOFCGELKLR
CLYPDIPKP KCIWSH
```

ζ = 3-oxoAla *glycosylation sites

![Chemical structure of elosulfase alfa amino acid sequence]

Embutramide (rINN) em-bú-tra:míd
N-[β-Diethyl-α-methoxyphenethyl]-4-hydroxybutyramide; C_{13}H_{22}NO_{5}; 15687-14-6
Opioid receptor agonist; analgesic

![Chemical structure of Embutramide]

Embramine (rINN) em-bre:mä:nä
2-(4-Bromo-α-methylbenzyldi oxy)ethylidimethylamine; C_{16}H_{21}BrNO; 3565-72-8
Histamine H_{1} receptor antagonist; antihistamine

Emdeacetin (rINN) em-de:des-ten
1-{(2-Ethoxyethyl)-2-(4-methyl-1H-1,4-diazepan-1-yl)-benzimidazole; C_{12}H_{26}N_{2}O; 87233-61-2
Histamine H_{1} receptor antagonist; antihistamine

Emepronium Bromide (rINN) e-me prö:në:vum
Ethylidimethyl(1-methyl-3,3-diphenylpropyl)ammonium bromide; C_{20}H_{34}BrN; 3614-30-0
Anticholinergic

Emepronium Carrageenate (BAN) e-me prö:në:vum ka-ra:gë:nät
The ethylidimethyl(1-methyl-3,3-diphenylpropyl)ammonium salt of carrageenan, a linear polysaccharide of sulfated galactose and 3,6-anhydrogalactose residues existing in two principal fractions (κ- and λ-carrageenan)  
Anticholinergic

Emetine (BAN) e-me tê:n
6,7,10,11-Tetramethoxyxymetan; C_{15}H_{20}N_{2}O_{6}; 483-18-1
Antiprotozoal
Emiglitate (rINN) emi·gli·tät
Ethyl 4-{(2R,3R,4R,5S)-3,4,5-trihydroxy-2-(hydroxymethyl)piperidino}ethoxy]benzoate; C_{17}H_{25}NO_{7}; 80879-63-6
Alpha-glucosidase inhibitor; treatment of diabetes mellitus

Empagliflozin (rINN) em·pag·li·flö·zin
(1S)-1,5-Anhydro-1-C-{4-chloro-3-[4-[(3S)-oxolan-3-yloxy]phenyl]methyl[phenyl]-α-glucitol; C_{23}H_{27}ClO_{7}; 864070-44-0
Sodium-glucose co-transporter 2 (SGLT-2) inhibitor; treatment of type II diabetes mellitus

Emylcamate (rINN) see Appendix C

Emtricitabine (rINN) em·tri·si·tabën
5-Fluoro-1-[(2R,5S)-2-(hydroxymethyl)-1,3-oxathiolan-5-yl]cytosine; C_{8}H_{10}FN_{3}O_{3}S; 143491-57-0
Nucleoside reverse transcriptase inhibitor; antiviral (HIV)

Enalapril (rINN) ë·na·la·pril
N-{[(S)-1-Ethoxycarbonyl-3-phenylpropyl]-l-alanyl}-l-proline; C_{20}H_{28}N_{2}O_{5}; 75847-73-3
Angiotensin converting enzyme inhibitor

Enalaprilat (rINN) ë·na·la·pri·lat
N-[(S)-1-Carboxy-3-phenylpropyl]-l-alanyl]-l-proline; C_{18}H_{28}N_{2}O_{5}; 76420-72-9
Angiotensin converting enzyme inhibitor

Enbucrilate (rINN) see Appendix C

Encainide (rINN) en·kã·nïd
2-[2-(1-Methyl-2-piperidyl)ethyl]p-anisanilide; C_{22}H_{28}N_{2}O_{5}; 37612-13-8
Class I antiarrhythmic

Enciprazine (rINN) en·si·pra·zën
1-(4-methoxyphenylpiperazin-1-yl)-3-(3,4,5-trimethoxyphenoxy)propan-2-ol; C_{16}H_{26}N_{2}O_{5}; 68576-86-3
Anxiolytic

Enciprazine Hydrochloride 68576-88-5

Endralazine (rINN) en·dra·la·zën
6-Benzoyl-5,6,7,8-tetrahydropyrido[4,3-c]pyridazin-3-yl-hydrazine; C_{9}H_{11}N_{5}O_{2}; 39715-02-1
Vasodilator; treatment of hypertension

Enfuvirtide (rINN) en·fü·veer·tïd
112
Antiviral (HIV)
enfuvirtide has the following amino acid sequence:

The symbol ‘−’ in systematic chemical names signifies line continuation
H,C–CO–Tyr–Thr–Ser–Leu–Ile–His–Ser–
Leu–Ile–Glu–Glu–Ser–Gln–Asn–Gln–
Gln–Glu–Leu–Leu–Glu–Leu–Asp–Lys–
Trp–Ala–Ser–Leu–Trp–Asn–Trp–Phe–NH₂

**Enilconazole** (rINN) e-nil-ko-na-zól
(RS)-Allyl 1-(2,4-dichlorophenyl)-2-(imidazol-1-yl)ethyl ether; imazalil (BSI/ISO); C₁₄H₁₄Cl₂N₂O; 73790-28-0; 35554-44-0
Antifungal (veterinary)

and enantiomer

**Eniluracil** (rINN) e-nil-ûr-ra-sil
5-Ethynylpyrimidine-2,4(1H,3H)-dione; C₆H₄N₂O₂; 59989-18-3
Dihydropyrimidine dehydrogenase inhibitor; adjunct to fluorouracil therapy

and enantiomer

**Enoxacin** (rINN) e-noks-a-sin
1-Ethyl-6-fluoro-1,4-dihydro-4-oxo-7-(piperazin-1-yl)-1,8-naphthyridine-3-carboxylic acid; C₁₅H₁₇FN₄O₃; 74011-58-8
Fluoroquinolone antibacterial

**Enoxaparin Sodium** (rINN) ë-noks-a-parin
A low-molecular-weight heparin, bearing at the non-reducing end of its chain a (3R,4S)-3,4-dihydro-4-hydroxy-6-(sodium-oxybenzoyl)-3-(sodium-oxy sulfonamido)-2H-pyran-2-yl group
Low molecular weight heparin

**Enoximone** (rINN) e-noks-i-môn
4-Methyl-5-[4-(methylthio)benzoyl]-4-imidazolin-2-one; C₁₂H₁₂N₂O₂S; 77671-31-9
Inhibitor of phosphodiesterase type III; positive inotrope

**Enoxolone** (rINN) e-noks-o-lôn
3β-Hydroxy-11-oxo-olean-12-en-30-oic acid; C₃₀H₄₆O₄; 471-53-4
Treatment of benign peptic ulcer disease

**Enpiprazole** (rINN) see Appendix C

**Enprostil** (rINN) en-pros-tîl
(1) Methyl (E)-(1R,15R)-11,15-dihydroxy-9-oxo-16-phenoxo-17,18,19,20-tetranorprosta-4,5,13-trienoic; (2) Methyl 7-[(E)-(1R*,2R*,3R*)-3-hydroxy-4-phenoxybut-1-enyl]-5-oxocyclopentyl)hepta-4,5-dienoate; C₂₃H₂₈O₆; 73121-56-9
Prostaglandin (PGF₂α) analogue

and enantiomer

**Enrofloxacin** (rINN) en-ro-floks-a-sin
1-Cyclopropyl-7-(4-ethylpiperazin-1-yl)-6-fluoro-1,4-dihydro-4-oxoquinoline-3-carboxylic acid; C₁₉H₂₂FN₃O₃; 93106-60-6
Fluoroquinolone antibacterial (veterinary)

**Entacapone** (rINN) en-ta-ka-pôn
(3)-2-Cyano-3-(3,4-dihydroxy-5-nitrophenyl)-N,N-diethylacrylamide; C₁₅H₁₄N₂O₂; 130929-57-6
Catechol-O-methyl transferase inhibitor; treatment of Parkinson’s disease

**Entecapone** (rINN) en-te-ca-pôn
6-(E)-2-Cyano-3-(3,4-dihydroxy-5-nitrophenyl)-N,N-diethylacrylamide; C₁₅H₁₄N₂O₂; 130929-57-6
Entecavir (rINN) ent·é·ka·veer 9-[(1S,3R,4S)-4-Hydroxy-3-(hydroxymethyl)-2-methylidene cyclopentyl]guanine; C₁₂H₁₅N₅O₃; 142217-69-4 Nucleoside reverse transcriptase inhibitor; antiviral (hepatitis B)

Enzalutamide (rINN) en·za·loo·tä·mid 4-{3-[4-Cyano-3-(trifluoromethyl)phenyl]-5,5-dimethyl-4-oxo-2-sulfanylidemidazolidin-1-yl]-2-fluoro-N-methyl benza-mide; C₂₃H₁₆F₄N₄O₂S; 915087-33-1 Antiandrogen; treatment of prostate carcinoma

Epanolol (rINN) e·pa·no·lol (RS)-N-[2-(3-o-Cyanophenoxy-2-hydroxypropylamino)ethyl]-2-(4-hydroxyphenyl)acetamide; C₂₀H₂₃N₃O₄; 86880-51-5 Beta-adrenoceptor antagonist

Ephedrine (BAN) e·fe·drën (1R,2S)-2-Methylamino-1-phenylpropan-1-ol; C₁₀H₁₅NO; 299-42-3 (anhydrous); 50906-05-3 (hemihydrate)

Ephedrine Hydrochloride 50-98-6 Ephedrine Sulfate 134-72-5 Adrenoceptor agonist

Epicillin (rINN) e·pi·si·lin (6R)-6-(α-D-Cyclohexa-1,4-dienylglycylamino)penicillanic acid; C₁₆H₁₅N₃O₄S; 26674-90-3 Penicillin antibacterial

Epiestriol (rINN) e·pë·ës·trë·ol Estra-1,3,5(10)-triene-3,16β,17β-triol; C₁₄H₂₀O₅; 547-81-9 Estrogen

Epimestrol (rINN) e·pi·mës·trol 3-Methoxyestra-1,3,5(10)-triene-16α,17α-diol; C₁₄H₂₁O₅; 7004-98-0 Estrogen

Epinastine (rINN) e·pi·na·stën (13bRS)-9,13b-Dihydro-1H-dibenzo[c,f]imidazo[1,5-a]¬ azepin-3-amine; C₁₆H₁₅N₃; 80012-43-7;

Epinephrine see Epiestriol

Epirubicin (rINN) e·pi·roo·bi·sin (8S,10S)-10-(3-Amino-2,3,6-trideoxy-α-L-arabino-hexopyranosyloxy)-8-glycolloyl-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxynaphthacene-5,12-dione; C₂₉H₂₈NO₁₂; 56420-45-2

Epirubicin Hydrochloride 56390-09-1 Anthracycline antibacterial; antineoplastic

The symbol ‘¬’ in systematic chemical names signifies line continuation
Epitizide (rINN) e·pi·tï·zï·d
6-Chloro-3,4-dihydro-3-(2,2,2-trifluoroethylthiomethyl)-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide; C_{10}H_{11}ClF_{3}N_{3}O_{4}S_{3}; 1764-85-8
Thiazide diuretic

Epitumomab (rINN) e·pi·tü·mö·mab
Mouse IgG 1 monoclonal antibody (HMFG1) that binds the human muc-1 gene product; 263547-71-3
Monoclonal antibody (human episialin)

Epitumomab Cituxetan (rINN) e·pi·tü·mö·mab sï·tuks·e·tan
N-{4-[2-([N,N-bis(carboxymethyl)amino]-3-[N-{2-[N,N-bis(carboxymethyl)amino]ethyl}-N-[carboxymethyl]amino)thiocarbonyl]anilino}thiocarbonyl); (mouse IgG1 monoclonal antibody (HMFG1) that binds the human muc-1 gene product); 263547-71-3
Monoclonal antibody (human episialin)

Eplerenone (rINN) e·ple·re·nön
9,11α-Epoxy-7α-(methoxycarbonyl)-3-oxo-17α-pregn-4-ene-21,17β-carbolactone; C_{24}H_{30}O_{6}; 107724-20-9
Aldosterone receptor antagonist; antihypertensive

Epivanserin (rINN) e·pi·van·ser·rin
(E)-1-[2-Fluorophenyl]-3-(4-hydroxyphenyl)prop-2-enone (Z)-O-[2-(dimethylamino)ethyl]oxime; C_{19}H_{21}FN_{2}O_{2}; 130579-75-8
Serotonin 5HT_{2a} receptor antagonist; treatment of sleep disorders

Epoetin Alfa (rINN) e·pö·e·tin al·fa
Recombinant human erythropoietin derived from a cloned human erythropoietin gene; 113427-24-0
Erythropoietin analogue
For labelling purposes, the following three letter code, to indicate the method of production, is approved: (rch) produced from genetically engineered Chinese hamster ovary cells
epoetin alfa has the following glycosylated amino acid sequence:

APFRLICDSR VLERLYEAK EAENNVTGCA
EHCSLNEIT VPDKTVNFYA WKREMVGQA
VEVWQGLALL SEAHLQQAL LVNSSFEPW
LQLHVDKAVS GLRSIITTLR ALGQAQEAIS
FPDAASAPL RTITADTFRK LFRVSNFLR
GKLKLYTGEA CRGTD

Epoetin Beta (rINN) e·pö·e·tin bë·ta
Recombinant human erythropoietin, derived from a cloned human erythropoietin gene, having the same amino acid sequence as epoetin alfa but differing in the glycosylation pattern; 122312-54-3
Erythropoietin analogue
For labelling purposes, the following three letter code, to indicate the method of production, is approved: (rch) produced from genetically engineered Chinese hamster ovary cells

Epoetin Gamma (rINN) e·pö·e·tin ga·ma
Recombinant human erythropoietin derived from a cloned human erythropoietin gene and having the same amino acid sequence as epoetin alfa but differing in the glycosylation pattern; 130455-76-4
Erythropoietin analogue
For labelling purposes, the following three letter code, to indicate the method of production, is approved: (rch) produced from genetically engineered Chinese hamster ovary cells

Epoetin Delta (rINN) e·pö·e·tin del·ta
Recombinant human erythropoietin derived from a human erythropoietin gene and having the same amino acid sequence as epoetin alfa but differing in glycosylation pattern; 261256-80-3
Erythropoietin analogue

Epoetin Theta (rINN) e·pö·e·tin thë·ta
Recombinant human erythropoietin, derived from a cloned human erythropoietin gene, having the same amino acid sequence as epoetin alfa but differing in the glycosylation pattern; 762263-14-9
Erythropoietin analogue
For labelling purposes, the following three letter code, to indicate the method of production, is approved: (rch) produced from genetically engineered Chinese hamster ovary cells

Epoprostenol Sodium (INNM) e·pö·pros·te·nol
(1) Sodium (Z)-5-((3aR,4R,SR,6aS)-5-hydroxy-4-[(E)-(3S)-3-hydroxyoct-1-enyl]perhydrocyclopenta[b][furan-2-ylidene]κ valerate; (2) Sodium (5Z,13E)-(9S,11R,15S)-6,9-epoxy-11,15-dihydroxyprosta-5,13-dienoate; prostacyclin sodium; C_{20}H_{31}NaO_{5}; 61849-14-7
Prostaglandin I_{2} (PGI_{2})
Epostane (rINN) e·po·stän
4α,5α-Epoxido-3,17β-dihydroxy-4β,17α-dimethyl-5α-androst-2-en-2-carbonitrile; C23H31NO3; 80471-63-2
Antiprogestogenic; oxytocic

Epristeride (rINN) ë·pris·te·rid
17β-(tert-Butylcarbamoyl)androsta-3,5-diene-3-carboxylic acid; C25H37NO3; 119169-78-7
5-Alpha-reductase inhibitor; treatment and control of benign prostatic hyperplasia

Eprosartan (rINN) e·prö·sar·tan
(1S,2S,4S,5R,6S,7R,8R,12bS)-Cyclohexylcarbonyl-1,2,3,4,6,7,8,12b-octahydropyrazino[2,1-a][2]benzazepin-4-one; C21H20N2O4S; 98123-83-2
Antihelminthic

Eptacog Alfa (Activated) (rINN) ep·ta·kog al·fa
Blood-coagulation factor VII (human clone λH VII 2463 protein moiety); 102786-52-7
Recombinant factor VIIa

eptacog alfa has the following amino acid sequence:

\[
\text{ANAFLY1LP8 GRLVNVCKYV QCFSVVARVI}
\]
\[
\text{EKDARTKLFL WIGYSGDQGQ ASPPCNQGGS}
\]
\[
\text{CKBQSLYSIC FCLPFAFGRN CETKDDQQLI}
\]
\[
\text{CVNEEFAEQO YCSDHTGTRK SORCCEYSL}
\]
\[
\text{LAUVSCSCTPT VEPFGKFI LEKRKASKFP}
\]
\[
\text{GRIVGKVQV QKGEFQGQVII LVNGAGLCGG}
\]
\[
\text{DINTIVVVS AASHFEDKKN WMRNLAVLGE}
\]
\[
\text{HDLSEHDGE QSRVQAQQIV PSTYVPTGTDN}
\]
\[
\text{DIVIALILHQ FVLITDHVVP LCLPERTTFSE}
\]
\[
\text{RELAFVRFSQ VGEGGQLQDD GATAEMLVVL}
\]
\[
\text{NVCRLTMQOC LQQSRKVGDG PNTIFYFCA}
\]
\[
\text{GYSZGSKSDS KCGSUGPHAT HYRGYWMTGL}
\]
\[
\text{IVSVQGCCAT VGQGOVTRV SQWRLQKL}
\]
\[
\text{MRZSPRPGVY LRADFP}
\]

\[\text{\ast = glycosylation sites}\]
\[\beta = \beta\text{-hydroxyaspartic acid}\]
\[\gamma = \gamma\text{-carboxyglutamic acid}\]

Eptifibatide (rINN) ep·ti·fi·bat·ïd
\(S,\text{S}-\text{Cyclo[\text{N}^\text{N}-\text{carbamimidoyl}^\text{N}^\text{N}-(3\text{-sulfanylpropanoyl})^\text{L}-\text{lysylglycyl}^\text{L}-\alpha\text{-aspartyl}^\text{L}-\text{tryptophyl}^\text{L}-\text{prolyl}^\text{L}-\text{cysteinamide}]^\text{S}^\text{N}^\text{N}^\text{S}^\text{S}}\text{; 148031-34-9}\)
Glycoprotein IIb/IIIa receptor inhibitor; antiplatelet drug

Eptotermin alfa (rINN) ep·to·ter·min al·fa
Human recombinant bone morphogenetic protein 7 (hrBMP-7) or osteogenic protein-1 (OP-1); 129805-33-0
Bone morphogenetic protein (growth factor); orthopaedic surgery

eptotermin has the following amino acid sequence:

\[
\text{STSGSROQCN RSKTRVPQQA LRMAYVADS SDDQRQCKK}
\]
\[
\text{RELVQRFSDL GWQWMITAPE GYAAVYCBGE CAFFLATMN}
\]
\[
\text{ANTHAVQGTA VHFINGRTVP EPPCQPTQLN AISVLYFFDS}
\]
\[
\text{SNYVTLKXRN MVVRACGQR}
\]
Erbulozole see Appendix C

Erdosteine (rINN) er·doo·stēn
(2-Oxo-2-[(2-oxothiolan-3-yl)amino]ethyl)sulfanyl)acetic acid; C₈H₁₁NO₄S₂; 84611-23-4
Mucolytic

Ergocalciferol (rINN) er·gō·kal·si·fe·rol
(5Z,7E)-(3S)-9,10-Secosteroga-5,7,10(19),22-tetraen-3-ol; vitamin D₂; calciiferol; C₃₀H₄₆O; 50-14-6
Vitamin D analogue (vitamin D₂)

Ergometrine (rINN) er·gō·me·trēn
(1) 9,10-Didehydro-N-[((S)-2-hydroxy-1-methylethyl]-6-methyl-ergoline-8β-carboxamide; (2) N8-(2-Hydroxy-1-methylethyl)-D-lysergamide; C₁₉H₂₃N₃O₂; 60-79-7

Ergometrine Maleate

Ergotamine (rINN) er·go·ta·mēn
(5´S)-5´-Benzyl-9,10-dihydroxy-12´-hydroxy-2´-methyl-3´,6´,18-trioxo ergotaman; C₃₃H₃₅N₅O₅; 113-15-5

Ergotamine Tartrate

Eribulin (rINN) er·ri·bü·lin

Eribulin Mesilate

Erlotinib (rINN) er·lot·in·ib
N-(3-Ethylnylphenyl)-6,7-bis(2-methoxyethoxy)quinazolin-4-amine; C₂₂H₂₅N₄O₈; 183321-74-6
Erlotinib Hydrochloride 183319-69-9
Tyrosine kinase (EGFR) inhibitor; antineoplastic

Ertapenem (rINN) er·ta·pen·em
(4R,5S,6S)-3-[(3S,5S)-5-[(3-Carboxyphenylcarbamoyl)Øpyrrolidin-3-yl]thio]-6-[(R)-1-hydroxyethyl]-4-methyl-7-oxo-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid; C₂₂H₂₅N₃O₇S; 153832-46-3
Carbapenem antibacterial

Erythritol (BAN) e·ri·thri·tol
(2R,3S)-Butane-1,2,3,4-tetrol; C₄H₁₀O₄; 149-32-6
Excipient

Erythromycin (rINN) er·thri·mī·sin
A mixture of macrolide antibiotics produced by a strain of Streptomyces erythreus. The major component is erythromycin A.

Erythromycin A: (2R,3S,5S,6R,8R,10R,11R,12S,13R)-5-[(3-Amino-3,4,6-trideoxy-N,N-dimethyl-β-D-xylo-hexopyranosyl-Øoxy)-3-(2,6-dIDEOXY-3-C3-O-DIMETHYL-α-L-RIBO-HEXOPYRANOXYLOXY)-13-ETHYL-6,11,12-TRIHYDROXY-2,4,6,8,10,12-HEXAMETHYL-9-OXOTRIDECAN-13-OLIDE; C₃₁H₅₀O₁₃; 114-07-8

Erythromycin Ethyl Succinate 41342-53-4
Erythromycin Lactobionate 3847-29-8
Erythromycin Stearate 643-22-1
Erythromycin Thiocyanate 7704-67-8
Macrolide antibacterial
The symbol ‘−’ in systematic chemical names signifies line continuation.
**Estradiol (rINN)** ḳrēstrā·dē·ōl
Estra-1,3,5(10)-triene-3,17β-diol; C_{18}H_{24}O_2; 50-28-2
**Estradiol Benzoate** 50-50-0
**Estradiol Valerate** 979-32-8

_Estrogen_

**Estramustine (rINN)** ḳrēstrā·mu-stēn
17β-Hydroxyestra-1,3,5(10)-trien-3-yl 3-bis(2-chloroethyl)-<br>carbamate; C_{27}H_{31}Cl_{2}NO_{3}; 29985-57-4
**Estramustine Sodium Phosphate** 52205-73-9
_Anitneoplastic alkylating agent_

**Estriol (rINN)** ḳrēstrē·ōl
Estra-1,3,5(10)-triene-3,16α,17β-triol; C_{18}H_{22}O_2; 50-27-1
_Estrogen_

**Estriol Sodium Succinate (rINN)**
Disodium 3-hydroxy-estra-1,3,5(10)-triene-16α,17β-diyldisuccinate; C_{26}H_{30}Na_{2}O_{9}; 113-22-4
_Estrogen_

**Estriol Succinate (rINN)**
3-Hydroxy-estra-1,3,5(10)-triene-16α,17β-diyldihydrogen<br>succinate; C_{26}H_{32}O_{9}; 514-68-1
_Estrogen_

**Estropeptide (rINN)** ḳrēstrō·pi·pēt
17-Oxestra-1,3,5(10)-trien-3-yl hydrogen sulfate—piperazine<br>(1:1); piperazine estrone sulfate; C_{18}H_{22}O_{5}S C_{4}H_{10}N_{2}; 7280-37-7
_Estrogen_

**Estriol** ḳrēstrē·ōl
Estrogen
Etanercept (rINN) e·tan·er·sept
1–235-Tumour necrosis factor receptor (human) fusion protein with 236–467-immunoglobulin G1 (human) γ1-chain Fc fragment, dimer; 185243-69-0
Human tumour necrosis factor receptor fusion protein; treatment of rheumatoid arthritis and psoriasis

etanercept has the following amino acid sequence:

```
LPAQVAFTP Y APEPSTCRLE REYDQTAQMP
CCSKCSFGQQH AKVFTKRTSD TVCSDCESTD
YTQLMNWVEY CLSCGSRCSS DQVETQACTR
EQNRICTCRF GYWCALSKQE GCRLCAPLRK
CRPGFGVARP GTETSDVVCK PCAPGFTSN
TSTSTDICPH QICNVAIIPG NASMDAVCTS
TSTSTRSMAPL AVHLPOPVST RSQHTQTFPE
PSTAPSTSLFL LFMGSFPPAE GSTGDEPSKC
DKHTHTCPPCF APHELGGPSV PLFPFPPKDT
LMISKTEFVT LVCDVSHEPDE BVKFWYVD
GVEVHNATK PREEQINSTY RUVSVTLVH
QDWLNGKEYK CKVSNKAPFA PIKETKSAK
GPQREPOQVT LLPSFREMTE NVSLLCLVK
GFYPSDIAVE WESNGQFPENN YKTTPVLDK
DGSFLLSKTL TVDKECRQGQ NVFSCSMHE
ALHNHTQKSL LSLSPGK
```
Ethinamate (rINN) e·thi·na·mät
1-Ethynylcyclohexyl carbamate; C₉H₁₃NO₂; 126-52-3
Short-acting sedative-hypnotic; treatment of insomnia

Ethylbisteine (rINN) e·thi·li·bi·sé·tín
(S)-Butyl(8-ethoxy-1,4-benzodioxan-2-ylmethyl)amine; C₁₅H₂₃NO₃; 16509-23-2
Alpha-adrenoceptor antagonist

Ethobamate (BAN) e·thó·bäm·ät
Methyl 4-acetamido-2-ethoxybenzoate; C₁₂H₁₅NO₄; 59-06-3
Antiprotozoal

Ethoheptazine (rINN) e·thö·hep·ta·zën
Ethyl 1-methyl-4-phenylperhydroazepine-4-carboxylate; C₁₆H₂₃NO₂; 77-15-6
Ethoheptazine Citrate 2085-42-9
Opioid analgesic

Ethomoxane (rINN) e·thó·môks·än
(RS)-Butyl(8-ethoxy-1,4-benzodioxan-2-ylmethyl)amine; C₁₁H₁₅NO₂; 16509-23-2
Alpha-adrenoceptor antagonist

ıklı

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethinamate</td>
<td>126-52-3</td>
<td>Short-acting sedative-hypnotic; treatment of insomnia</td>
</tr>
<tr>
<td>Ethinylestradiol</td>
<td>57-63-6</td>
<td>Estrogen</td>
</tr>
<tr>
<td>Ethionamide</td>
<td>536-33-4</td>
<td>Antituberculosis drug</td>
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<td>Ethisterone</td>
<td>434-03-7</td>
<td>Estrogen</td>
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<td>Ethopabate</td>
<td>59-06-3</td>
<td>Antiprotozoal</td>
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<td>Ethopropazine</td>
<td>77-67-8</td>
<td>Antiepileptic</td>
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<td>Ethotoxin</td>
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<td>Ethybenztropine see Etybenzatropine</td>
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<tr>
<td>Ethyl Biscoumacetate</td>
<td>548-00-5</td>
<td>Vitamin K epoxide reductase inhibitor; oral anticoagulant (coumarin)</td>
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<tr>
<td>Ethyl Pyrophosphate</td>
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<td>Cholinesterase inhibitor</td>
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<tr>
<td>Ethylestrenol</td>
<td>965-90-2</td>
<td>Anabolic steroid; androgen</td>
</tr>
</tbody>
</table>

**References**

1. Ethinamate: 1-Ethynylcyclohexyl carbamate; C₉H₁₃NO₂; 126-52-3
2. Ethinylestradiol: 19-Nor-17α-pregna-1,3,5(10)-trien-20-yn-3-17β-diol; C₂₀H₂₆O₂; 57-63-6
3. Ethionamide: 2-Ethylpyridine-4-carbothioamide; C₈H₁₀N₂S; 536-33-4
4. Ethisterone: 17β-Hydroxy-17α-pregn-4-en-20-yn-3-one; C₂₁H₂₈O₂; 434-03-7
5. Ethopabate: Methyl 4-acetamido-2-ethoxybenzoate; C₁₂H₁₅NO₄; 59-06-3
6. Ethopropazine: 19-Nor-17α-pregn-4-en-17β-ol; C₂₀H₃₂O; 77-67-8
7. Ethotoxin: Ethybenztropine see Etybenzatropine
8. Ethyl Biscoumacetate: Ethyl bis(4-hydroxy-2-oxo-2H-chromen-3-yl)acetate; C₂₁H₁₆O₅; 548-00-5
9. Ethyl Pyrophosphate: Tetraethyl pyrophosphate; C₈H₂₀O₇P₂
10. Ethylestrenol: 19-Nor-17α-pregn-4-en-17β-ol; C₂₀H₃₂O; 965-90-2

**Notes**

- Ethinamate is a short-acting sedative-hypnotic used to treat insomnia.
- Ethinylestradiol is an estrogen used primarily in hormone replacement therapy.
- Ethionamide is an antituberculosis drug.
- Ethisterone is an estrogen used in hormone replacement therapy.
- Ethopabate is an antiprotozoal drug.
- Ethopropazine is an antiepileptic drug.
- Ethotoxin is an opioid analgesic.
- Ethyl Biscoumacetate is a vitamin K epoxide reductase inhibitor and oral anticoagulant (coumarin).
- Ethyl Pyrophosphate is a cholinesterase inhibitor.
- Ethylestrenol is an anabolic steroid and androgen.
Ethylmethylthiambutene (rINN) ë·thïl·më·thï·am·bën
[3,3-Di-(2-thienyl)-1-methylprop-2-enyl]ethylmethylamine;
C₁₅H₂₉NS₂; 441-61-2
Opioid receptor agonist; analgesic

Ethylmepirone (BAN) ë·thïl·mor·fën
7,8-Didehydro-4,5-epoxy-3-ethoxy-17-methylmorphinan-6-ol;
C₁₉H₂₃NO₃; 76-58-4
Ethylmepirone Hydrochloride 125-30-4
Opioid receptor agonist; analgesic

Ethyloestrenol see Ethylestrenol
Ethynodiol see Etynodiol

Etidocaine (rINN) see Appendix C
Etidronic Acid (rINN) ë·ti·dron·ik
1-Hydroxyethylidenedi(phosphonic acid); C₁₀H₁₂N₄P₂;
2809-21-4
Etidronate Disodium 7414-83-7
Bisphosphonate; treatment of osteoporosis; Paget’s disease

Etifoxine (rINN) see Appendix C
Etilefrine (rINN) ë·ti·e·frën
(RS)-2-Ethylamino-1-(3-hydroxyphenyl)ethanol; C₁₀H₁₅NO₂;
709-55-7
Etilefrine Hydrochloride 943-17-9
Adrenoceptor agonist

Etizolam (rINN) ë·ti·zô·lâm
1,2-Benzothiazol-3-yl(ethyl)amine; C₉H₁₀N₂S; 7716-60-1
Antifungal

Etodolac (rINN) ë·tô·dô·lak
1,8-Diethyl-1,3,4,9-tetrahydroprano[3,4-h]indol-1-ylacetic acid; C₁₇H₂₃NO₂;
41340-25-4
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory
**Etofenamate** (rINN) e·to·fe·na·mit
2-(2-Hydroxyethoxy)ethyl N-(α,α,α-trifluoro-m-tolyl)anthranilate; C₁₉H₁₆F₃NO₅; 30544-47-9
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

**Etofylline** (rINN) e·to·fi·lën
3,7-Dihydro-7-(2-hydroxyethyl)-1,3-dimethyl-1H-purine-2,6-dione; C₉H₁₂N₄O₃; 519-37-9
Non-selective phosphodiesterase inhibitor (xanthine); treatment of reversible airways obstruction

**Etoglucid** (rINN) see Appendix C

**Etomidate** (rINN) e·to·mi·dät
(5R)-Ethyl-1-(α-methylbenzyl)imidazole-5-carboxylate; C₁₄H₁₆N₂O₂; 33125-97-2
Intravenous general anaesthetic

**Etonitazene** (rINN) e·to·ni·ta·zën
2-[2-(4-Ethoxybenzyl)-5-nitrobenzimidazol-1-yl]ethyl diethylamine; C₂₂H₂₈N₄O₃; 911-65-9
Opioid receptor agonist; analgesic

**Etoposide** (rINN) e·to·pösïd
(5S,5aR,8aS,9S)-9-(4,6-O-Ethylidene-β-β-glucopyranosyloxy)-5,8,8a,9-tetrahydro-5-(4-hydroxy-3,5-dimethoxyphenyl)iso benzofuro[5,6-f][1,3]benzodioxol-6(5aH)-one; C₂₉H₂₅O₁₃; 33419-42-0
Inhibitor of DNA topoisomerase type II; antineoplastic

**Etoricoxib** (rINN) e·to·ri·coks·ib
5-Chloro-6'-methyl-3-[4-(methylsulfonyl)phenyl]-2,3'-bipyridine; C₁₉H₁₅ClN₂O₂S; 202409-33-4
Cyclo-oxygenase (COX-2) inhibitor; analgesic; anti-inflammatory

**Etorphine** (rINN) e·tor·fën
(1) (2R)-2-[(5R,6R,7R,14R)-4,5-Epoxy-3-hydroxy-6-methoxy-17-methyl-6,14-ethenomorphinan-7-yl]pentan-2-ol; (2) (6R,7R,14R)-7,8-Dihydro-7-[(1R)-1-hydroxy-1-methylbutyl]-6-O-methyl-6,14-ethenomorphine; C₂₅H₃₃NO₄; 14521-96-1
Opioid receptor agonist; analgesic

**Etorphine Hydrochloride** 13764-49-3

**Etosalamide** (rINN) see Appendix C

**Etonogestrel** (rINN) e·tö·nö·ges·trel
17β-Hydroxy-11-methylene-18-homo-19-nor-17α-pregn-4-en-20-yn-3-one; C₂₂H₂₃O₂; 54048-10-1
Progestogen

**Etosalamide** (rINN) see Appendix C
Etoperidine (rINN) e tol k e ri d e n
Ethyl 1-[2-(2-hydroxyethoxy)ethyl]-4-phenylpiperidine-4-carboxylate; C_{18}H_{27}NO_{4}; 469-82-9
Opioid receptor agonist; analgesic

Etoperidine

Etravirine (rINN) e t r a vi r e n
4-[6-Amino-5-bromo-2-(4-cyanoanilino)pyrimidin-4-yl oxy]-3,5-dimethylbenzonitrile; C_{20}H_{15}BrN_{6}O; 269055-15-4
Non-nucleoside reverse transcriptase inhibitor; antiviral (HIV)

Etravirine

Etrexatopine (rINN) e t e x a tr ö p e n
(1R,3R,5S)-3-Benzhydryloxy-8-ethylnortropane; C_{22}H_{27}NO; 524-83-4
Anticholinergic

Etretinate (rINN) see Appendix C

Etryptamine (rINN) e trIp ta m e n
1-(Indol-3-ylmethyl)propylamine; a-ethyltryptamine; C_{12}H_{16}N_{2}; 2235-90-7
Antidepressant

Etryptamine

Etrybenzatropine (rINN) e t e bë n zä trö pë n
(1R,3R,5S)-3-Benzhydryloxy-8-ethylnortropane; C_{22}H_{27}NO; 524-83-4
Anticholinergic

Etrybenzatropine

Eucatropine (rINN) ü k a tro pë n
1,2,2,6-Tetramethyl-4-piperidyl mandelate; C_{17}H_{25}NO; 100-91-4
Anticholinergic

Eucatropine

Anticholinergic

Eufauserase (rINN) ü f o s rë s A broad-spectrum, monocomponent serine-protease enzyme, extracted and purified from Euphausia superba (Antarctic krill) Enzyme; debridement of necrotic tissue
eufauserase has the following amino acid sequence:

Eufauserase

Euphausia Extract (rINN) ü f o s é s A purified extract from Euphausia superba (Antarctic krill) containing water-extractable macromolecules, mainly proteins in the molecular weight range 10-60 kDa; the main action is due to the serine-proteases present with a molecular weight range of 20-40 kDa. Enzyme; debridement of necrotic tissue

Euphausia Extract

Everolimus (rINN) ev er o l ë m u s
(3S,6R,7E,9R,10R,12R,14S,15E,17E,19E,21S,23S,26R,27R,29S,34aS)-9,27-Dihydroxy-3-[(2R)-1-[(1S,3R,4R)-4-(2-hydroxyethoxy)-3-methoxy-cyclohexyl]propan-2-yl]-10,21-dimethoxy-6,8,12,14,20,26-hexamethyl-9,10,12,13,14,21,22,23,24,25,26,27,32,33,34,34a-hexadecahydro-23,27-epoxy-3H-pyrido[2,1-c][1,4]- oxazaacyclohexatrienone-1,5,11,28,29(4H,6H,31H)-pentone; C_{29}H_{36}NO_{16}; 695351-69-6
Calcineurin inhibitor; immunosuppressant

Everolimus

Calcineurin inhibitor; immunosuppressant

The symbol ‘¬’ in systematic chemical names signifies line continuation
Evicromil (BAN) è y krô·mil
8-Ethyl-5-hydroxy-4-oxo-6-vinyl-4H-chromene-2-carboxylic acid; C_{14}H_{12}O_5; 62571-88-4
Cromone; treatment of asthma, food allergy, allergic conjunctivitis, rhinitis

Exametazime (rINN) eks·a·ta·zëm
(RS,RS)-3,3´-(2,2-Dimethyltrimethylenedi-imino)di(butan-2-one oxime); C_{13}H_{28}N_4O_2; 100551-63-1
Non-radioactive chemical precursor for diagnostic imaging radiopharmaceutical

Exemestane (rINN) eks·ë·më·tän
6-Methyleneandrosta-1,4-diene-3,17-dione; C_{20}H_{24}O_2; 107868-30-4
Aromatase inhibitor; treatment of breast carcinoma

Exenatide (rINN) eks·en·a·tïd
Incretin mimetic; treatment of type II diabetes mellitus
H-His-Gly-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Leu-
Ser-Lys-Gln-Met-Glu-Glu-Ala-Val-Arg-
Leu-Phe-Ile-Glu-Trp-Leu-Lys-Asn-Gly-Gly-
Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH_2

Ezetimibe (rINN) e·ze·ti·mib
(3R,4S)-1-(4-Fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-(4-hydroxyphenyl) azetidin-2-one;
C_{23}H_{23}F_2NO_5; 163222-33-1
Inhibition of intestinal lipid absorption; lipid-regulating drug

Factor VIII (rDNA) see Octacog Alfa

Factor IX Fraction (BAN)
A preparation of human blood containing coagulating factors II, IX and X
Factor IX substitute

Famciclovir (rINN) fam·si·klo·veer
2-[2-(2-Amino-9H-purin-9-yl)ethyl]trimethylene diacetate; C_{14}H_{19}N_5O_4; 104227-87-4
Purine nucleoside analogue; antiviral (herpes viruses)

Famotidine (rINN) fa·mô·ti·dën
3-[2-(Diaminomethyleneamino)-1,3-thiazol-4-ylmethyl]-N-sulfamoylpropionamidine; C_{18}H_{15}N_7O_2S_3; 76824-35-6
Histamine H2 receptor antagonist; treatment of peptic ulceration

Famprofazone (rINN) see Appendix C

Fanetizole (rINN) fan·et·i·zôl
Phenethyl(4-phenyl-1,3-thiazol-2-yl)amine; C_{19}H_{18}N_3S; 79069-94-6
Fanetizole Mesilate 79069-95-7
Immunomodulator
Fanthridone see Fantridone

**Fanofarone** (rINN) fan·to·fa·rön
3,4-Dimethoxyphenethyl[3-[4-(2-isopropylindolizin-1-ylsulfonyl)phenoxy]propyl](methyl)amine; C$_{31}$H$_{38}$N$_2$O$_5$S; 114432-13-2
Calcium channel blocker

**Fantridone** (rINN) see Appendix C

**Fazadinium Bromide** (rINN) see Appendix C

**Febantel** (rINN) fe·ban·tel
2´-[2,3-Bis(methoxycarbonyl)guanidino]-5´-phenylthio-2-methoxyacetanilide; C$_{20}$H$_{22}$N$_4$O$_6$S; 58306-30-2
Antihelminthic (veterinary)

**Febuxostat** (rINN) fe·bük·ö·stat
2-[3-Cyano-4-(2-methylpropoxy)phenyl]-4-methylthiazole-5-carboxylic acid; C$_{16}$H$_{16}$N$_2$O$_3$S; 144060-53-7
Xanthine oxidase inhibitor; treatment of gout

**Felbinac** (rINN) fel·bi·nak
Biphenyl-4-ylacetic acid; C$_{14}$H$_{12}$O$_2$; 5728-52-9
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

**Felodipine** (rINN) fe·lo·di·pën
Ethyl methyl 4-(2,3-dichlorophenyl)-1,4-dihydro-2,6-dimethylpyridine-3,5-dicarboxylate; C$_{18}$H$_{19}$Cl$_2$NO$_4$; 72509-76-3
Calcium channel blocker

**Felypressin** (rINN) fe·lé·pres·sin
2-l-Phenylalanine-8-l-lysine-vasopressin; C$_{46}$H$_{55}$N$_{13}$O$_{11}$S$_2$; 56-59-7
Vasopressin analogue; vasoconstrictor in local anaesthesia

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The symbol ‘¬’ in systematic chemical names signifies line continuation.
Fenbutrazate (rINN) fen·bu·tra·zät
2-(3-Methyl-2-phenylmorpholino)ethyl 2-phenylbutyrate; 
C₂₃H₂₉NO₃; 4378-36-3 
**Fenbutrazate Hydrochloride** 8004-38-4

*Appetite suppressant*

Fencamfamin (rINN) see Appendix C

Fenclofos (rINN) fen·klo·fos
O,O-Dimethyl O-(2,4,5-trichlorophenyl) phosphorothioate; 
C₈H₈Cl₃O₃PS; 299-84-3

*Organophosphorus insecticide*

Fenclofenac (rINN) fen·klo·fe·nak
[2-(2,4-Dichlorophenoxy)phenyl]acetic acid; C₁₄H₁₀Cl₂O₃; 
34645-84-6

*Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory*

Fenclozic Acid (rINN) see Appendix C

Fendosal (rINN) fen·dö·sal
5-(4,5-Dihydro-2-phenyl-3H-indol-3-yl)salicylic acid; 
C₂₅H₁₉NO₃; 53597-27-6

*Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory*

Fenetylline (rINN) see Appendix C

Fenfluramine (rINN) fen·flû·ra·mën
Ethyl(α-methyl-3-trifluoromethylphenethyl)amine; C₁₂H₁₆F₃N; 
458-24-2

*Fenfluramine Hydrochloride* 404-82-0

*Amphetamine analogue; appetite suppressant*

Fenfluthrin (rINN) fen·flu·thrin
2,3,4,5,6-Pentafluorobenzyl (1R,3S)-3-(2,2-dichlorovinyl)-2,2- 
dimethylcyclopropanecarboxylate; C₁₃H₁₁Cl₂F₅O₂; 75867-00-4

*Parasiticide*

Fengabine (rINN) fen·ga·bën
(Z)-α-Butylimino-4-chloro-α-(2-chlorophenyl)-o-cresol; 
C₁₇H₁₇Cl₂NO; 80018-06-0

*Antidepressant*

Fenimide (rINN) see Appendix C

Fenisorex (rINN) fe·ni·so·reks
(RS)-cis-7-Fluoro-1-phenylisochroman-3-ylmethylamine; 
C₁₆H₁₆FNO; 34887-52-0

*Appetite suppressant*

Fenitrothion (BAN) fe·ni·trö·thï·on
O,O-Dimethyl O-4-nitro-m-tolyl phosphorothioate; 
C₈H₄NO₃PS; 122-14-5

*Organophosphorus insecticide*

Fenmetramide (rINN) see Appendix C
Fenofibrate (rINN) fen-o·fi-brät
Isopropyl 2-(4-p-chlorobenzoylphenoxy)-2-methylpropionate; C₂₀H₂₁ClO₄; 49562-28-9
Fibrate; lipid-regulating drug

Fenoldopam (rINN) fen-ol·do·pam
6-Chloro-2,3,4,5-tetrahydro-1-p-hydroxyphenyl-1H-3-benzazepine-7,8-diol; C₁₆H₁₆ClNO₃; 67227-56-9
Fenoldopam Mesilate 67227-57-0
Dopamine D₁ receptor agonist; vasodilator

Fenoprofen (rINN) fen-o·pro·fen
2-(3-Phenoxyphenyl)propionic acid; C₁₅H₁₄O₃; 31879-05-7
Fenoprofen Calcium 34957-40-5
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Fenoterol (rINN) fen-ø·te·rol
1-(3,5-Dihydroxyphenyl)-2-(4-hydroxy-a-methylphenethylamino)ethanol; C₁₇H₂₁NO₄; 13392-18-2
Fenoterol Hydrobromide 1944-12-3
Beta₂-adrenoceptor agonist; bronchodilator

Fenoxypazine (rINN) see Appendix C
Fenpipramide (rINN) see Appendix C
Feniprane (rINN) see Appendix C

The symbol ‘¬’ in systematic chemical names signifies line continuation
**Fenticonazole** (rINN) fen·ti·ko·na·zôl
1-(2,4-Dichlorophenyl)-2-(imidazol-1-yl)ethyl 4-(phenylthio)benzyl ether; C$_{24}$H$_{20}$Cl$_2$N$_2$Os; 72479-26-6

*Fenticonazole Nitrate* 73151-29-8
Antifungal

![Fenticonazole](image)

**Fenvalerate** (rINN) fen·val·er·rät
(RS)-α-Cyano-3-phenoxynbenzyl (RS)-2-(4-chlorophenyl)-3-methylbutyrate; C$_{25}$H$_{22}$ClNO$_3$; 51630-58-1
Ectoparasiticide and insecticide (veterinary)

![Fenvalerate](image)

**Fenriamidol** (rINN) fen·i·ra·mi·dol
1-Phenyl-2-(2-pyridylamino)ethanol; C$_{13}$H$_{14}$N$_2$O; 553-69-5
Analgesic

![Fenriamidol](image)

**Feprazone** (rINN) fe·pra·zön
4-(3-Methylbut-2-enyl)-1,2-diphenylpyrazolidine-3,5-dione; C$_{20}$H$_{20}$N$_2$O$_2$; 30748-29-9
Analgesic; anti-inflammatory

![Feprazone](image)

**Ferric Carboxymaltose** (rINN) fe·rik car·boks·mal·tös
Poly[[D-glucopyranosyl(1→4)]-D-gluconic acid complex of hydrated iron(III) oxide; 9007-72-1;
Treatment of iron-deficiency anaemia

![Ferric Carboxymaltose](image)

**Ferristene** (rINN) fe·ris·tën
Iron ferrite with carrier particles of mono-sized spheres of cross-linked poly(anionmonium styrenesulfonate); iron ferrite with carrier particles; 155773-56-1
Non-ionic super-paramagnetic contrast enhancing medium for magnetic resonance imaging

![Ferristene](image)

**Fertirelin** (rINN) fer·ti·re·lin
<Glu-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro(NHɛt);
C$_{55}$H$_{76}$N$_{16}$O$_{12}$; 38234-21-8
Fertirelin Acetate 106756-71-2
Gonadotrophin-releasing hormone analogue

![Fertirelin](image)

**Ferucarbotran** (BAN) fe·roo·kar·bō·tran
A non-stoichiometric polycrystalline mixture of iron(ii) and iron(iii) oxides (magnetite Fe$_3$O$_4$ and maghemite-γ Fe$_2$O$_3$) in which iron(ii) oxide is specified to be less than 5%. It is a colloidal aqueous suspension of superparamagnetic iron oxide particles coated with carboxydextran. By transmittance electron microscopy (TEM) the iron oxide core has a diameter of 3 to 5 nm. The hydrodynamic diameter of the coated particles measured by photon correlation spectroscopy (PCS) is 45 to 65 nm. In the colloidal aqueous suspension, the carboxydextran coat has a thickness of about 25 nm (calculated from PCS measurement).
Non-ionic super-paramagnetic contrast enhancing medium for magnetic resonance imaging

![Ferucarbotran](image)

**Ferumoxides** (BAN) fe·roo·moks·ı́ds
Colloidal particles of non-stoichiometric magnetite; (Fe$_2$O$_3$)$_m$ (FeO)$_n$; 119683-68-0
Contrast enhancement in magnetic resonance imaging

![Ferumoxides](image)

**Ferumoxsil** (BAN) fe·roo·moks·il
Colloidal particles of non-stoichiometric magnetite with a silicone polymer bonded to iron oxide.
Non-ionic super-paramagnetic contrast enhancing medium for magnetic resonance imaging

![Ferumoxsil](image)

**Ferumoxytol** (BAN) fe·roo·moks·i·tol
Polyglucose sorbitol carboxymethyl ether-coated non-stoichiometric magnetite corresponding approximately to the formula: FeO$_{1.49}$; coating C$_{398}$H$_{646}$O$_{337}$; 722492-56-0
Treatment of iron-deficiency anaemia

![Ferumoxytol](image)

**Fesoterodine** (rINN) fez·ö·ter·ö·dën
2-[(1R)-3-(Diisopropylamino)-1-phenylpropyl]-4-(hydroxymethyl)phenyl isobutyrate;
C$_{26}$H$_{37}$NO$_3$; 286930-02-7
Fesoterodine Fumarate 286930-03-8
Antimuscarinic; overactive bladder syndrome
Fetoxilate (rINN) see Appendix C

Fexofenadine (rINN) feks-ö·fen-a dèn
(RS)-2-(4-[1-Hydroxy-4-[4-(α-hydroxybenzhydryl)-1-piperidino]butyl]phenyl)-2-methylpropionic acid; C₁₅H₁₆NO₄

Fexofenadine Hydrochloride 138452-21-8
Histamine H₁ receptor antagonist; antihistamine

Fibrinolysin (Human) (rINN) fi·brin·ö·lï·sin
The proteolytic enzyme derived from the activation of plasminogen which converts fibrin into soluble products; plasmin; fibrinase; 9004-09-5
Fibrinolytic enzyme

Fidaxomicin (rINN) fid·aks·o·mi·sin
(3E,5E,8S,9E,11S,12R,13E,15E,18S)-3-[(6-Deoxy-4-O-(3,5-dichloro-2-ethyl-4,6-dihydroxybenzoyl)-2-O-methyl-β-D-mannopyranosyloxy)methyl]-12-[(6-deoxy-5-C-methyl-4-O-(2-methylpropanoyl)-β-D-lyxo-hexopyranosyloxy)-11-ethyl-8-hydroxy-18-[(1R)-1-hydroxyethyl]-9,13,15-trimethylacyclooctadeca-3,5,9,13,15-pentaen-2-one; C₅₂H₇₄Cl₂O₁₈; 873857-62-6
Macrocyclic antibacterial; treatment of antibiotic-associated diarrhoea due to Clostridium difficile

Finasteride (rINN) fi·na·ster·id
N⁷⁷-{3-oxo-4-aza-5α-androst-1-ene-17β-carboxamide; C₂₃H₃₆N₂O₂; 98319-26-7
5-Alpha reductase inhibitor; treatment of benign prostatic hyperplasia

Filgrastim (rINN) fil·gras·tim
Recombinant methionyl human granulocyte colony stimulating factor expressed by E·coli; 121181-53-1
Recombinant methionyl human granulocyte colony-stimulating factor

filgrastim has the following amino acid sequence:

Fingolimod (rINN) fin·go·li·mod
2-Amino-2-[2-(4-octylphenyl)ethyl]propane-1,3-diol; C₁₄H₁₉NO₅; 162359-55-9
Fingolimod Hydrochloride 162359-56-0
Sphingosine-1-phosphate receptor modulator; immunomodulator

Fipronil (rINN) fi·prö·nil
(RS)-5-Amino-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-(trifluoromethylsulfinyl)pyrazole-3-carbonitrile; C₁₂H₇Cl₂F₃N₂O₃S; 120068-37-3
Acaricide and insecticide (veterinary)

Flavoxate (rINN) fla·voks·ät
2-Piperidinoethyl 3-methyl-4-oxo-2-phenyl-4H-chromene-8-carboxylate; C₁₅H₁₃NO₆; 15301-69-6
Flavoxate Hydrochloride 3717-88-2
Anticholinergic

The symbol ‘¬’ in systematic chemical names signifies line continuation
Flazalone (rINN) see Appendix C

Flecainide (rINN) fle kai nide
N-(2-Piperidylmethyl)-2,5-bis(2,2,2-trifluoroethoxy)benzamide; C₁₇H₂₀F₆N₂O₃; 54143-55-4
*Flecainide Acetate 54143-55-4
Class I antiarrhythmic

Florbetaben (¹⁸F) (rINN) flor bē ta·ben
4-[(1E)-2-(4-[2-(2-[¹⁸F]Fluoroethoxy)ethoxy]ethoxy)phenyl]eth-1-en-1-yl]-N-methylaniline; C₂₇H₂₆¹₈FNO₃; 902143-01-5
Diagnostic aid; assessment of beta amyloid plaques in the brain in suspected Alzheimer’s disease

Florbetapir (¹⁸F) (rINN) flor be·ta·peer
4-[(1E)-2-(6-[2-(2-[¹⁸F]Fluoroethoxy)ethoxy]pyridine-3-yl)ethen-1-yl]-N-methylaniline; C₂₀H₂₅¹₈FN₂O₃; 956103-76-7
Diagnostic agent

Florfenicol (rINN) flor fe·ni·kol
2,2-Dichloro-N-[α.SβR]-α-(fluoromethyl)-β-hydroxy-4-methanesulfonylphenethylacetamide; C₁₂H₁₄Cl₂FNO₄S; 76639-94-6
Antibacterial (veterinary)

Fluoroquinolone antibacterial

Fluatrazepam (rINN) fle ū ze·pan
7-Chloro-5-(2-fluorophenyl)-2,3-dihydro-1-(2,2,2-trifluoroethyl)-1H-1,4-benzodiazepine; C₁₇H₁₃ClF₄N₂; 34482-99-0
Benzodiazepine

Floctafenine (rINN) flok·ta·fe·nēn
2,3-Dihydroxypropyl N-(8-trifluoromethyl-4-quinoyl)-anthranilate; C₂₉H₁₄F₄N₂O₈; 23779-99-9
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Florantyrone (rINN) flor ran·tī·rōn
4-(Fluoranthen-8-yl)-4-oxobutyric acid; C₂₀H₁₄O₂; 519-95-9
Choleretic

Fluoroquinolone antibiotic

Fluanisone (rINN) flou a ni són
4’-Fluoro-4-[4-(2-methoxyphenyl)piperazin-1-yl]butyrophenone; C₂₅H₂₄F₂N₂O₅; 1480-19-9
Dopamine receptor antagonist; antipsychotic (veterinary)
Flubendazole (rINN) floo·ben·da·zôl
Methyl 5-(4-fluorobenzoyl)-1H-benzimidazol-2-ylcarbamate; C_{16}H_{12}FN_{3}O_{3}; 31430-15-6
Benzimidazole anthelmintic

Fluclorolone Acetonide (rINN) see Appendix C

Flucloroxacinil (rINN) floo·kloks·a·lin
6-[3-(2-Chloro-6-fluorophenyl)-5-methyl-1,2-oxazole-4-carboxamido]penicillanic acid; C_{16}H_{14}ClFN_{5}O_{3}; 3250-39-5
Flucloroxacinil Magnesium 58486-36-5
Flucloroxacinil Sodium 1847-24-1
Penicillin antibacterial

Flucytosine (rINN) floo·sï·tö·sën
4-Amino-5-fluoropyrimidin-2(1H)-one; 5-fluorocytosine; C_{4}H_{4}FN_{3}O; 2022-85-7
Antifungal

Fludarabine (rINN) floo·da·ra·bën
9-ß-D-Arabinofuranosyl-2-fluoroadenine; C_{10}H_{12}FN_{5}O_{2}; 21679-14-1
Fludarabine Phosphate 75607-67-9;
Purine analogue antineoplastic; treatment of B-cell chronic lymphocytic leukaemia

Flufluoroglucose (18F) (rINN) floo·dë·oks·i·gloo·cös
2-Deoxy-2-[18F]fluoro-ß-D-glucopyranose; C_{6}H_{11}F_{18}O_{5}; 105851-17-0
Diagnostic agent

Fludrocortisone (rINN) floo·drö·kor·ti·sön
9α-Fluoro-11ß,17α,21-trihydroxypregn-4-ene-3,20-dione; C_{21}H_{29}FO_{5}; 127-31-1
Fludrocortisone Acetate 514-36-3
Mineralocorticoid

Fludroxycortide (rINN) floo·droks·ë·kor·tïd
6α-Fluoro-11ß,21-dihydroxy-16α,17α-isopropylidenedioxy-pregn-4-ene-3,20-dione; flurandrenolide; C_{24}H_{33}FO_{6}; 1524-88-5
Mineralocorticoid

Flufenamic Acid (rINN) floo·fe·na·mik
N-(ß,ß,ß-Trifluoro-m-tolyl)anthranilic acid; C_{14}H_{10}F_{3}NO_{2}; 530-78-9
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

The symbol ‘¬’ in systematic chemical names signifies line continuation
**Flugestone (rINN) flū·jes·tön**
9α-Fluoro-11β,17α-dihydroxypregn-4-ene-3,20-dione; C_{23}H_{31}FO_{5}; 337-03-1

**Flugestone Acetate** Fluorogestone acetate; 2529-45-5

**Progestogen**

**Flumazenil (rINN) flū·ma·ze·nil**
Ethyl 8-fluoro-5,6-dihydro-5-methyl-6-oxo-4H-imidazo[1,5-α][1,4]benzodiazepine-3-carboxylate; C_{13}H_{14}FN_{3}O_{3}; 78755-81-4

**Benzodiazepine receptor antagonist**

**Flumedroxone (rINN) see Appendix C**

**Flumequine (rINN) flū·me·kwën**
(RS)-9-Fluoro-6,7-dihydro-5-methyl-1-oxo-1H,5H-pyrido[3,2,1-ij]quinoline-2-carboxylic acid; C_{14}H_{12}FNO_{3}; 42835-25-6

**Antibacterial**

**Flumeridone (rINN) flū·me·ri·dön**
5-Chloro-1-[4-[3-(5-fluoro-2,3-dihydro-2-oxobenzimidazol-1-yl)propyl]piperidino]-1,3-dihydrobenzimidazol-2-one; C_{22}H_{23}ClFN_{5}O_{2}; 75444-64-3

**Dopamine receptor antagonist; antiemetic**

**Flunisolide (rINN) flū·ni·so·lïd**
6α,9α-Difluoro-11β,21-trihydroxy-16α-methylpregna-1,4-diene-3,20-dione; C_{28}H_{35}FO_{6}; 3385-03-3

**Glucocorticoid**

**Flumethiazide (rINN) see Appendix C**

**Flumethrin (BAN) flū·më·thrin**
α-Cyano-4-fluoro-3-phenoxybenzyl 3-[(β,4-dichlorostyryl)-2,2-dimethylcyclopropanecarboxylate; C_{29}H_{22}Cl_{2}FNO_{5}; 69770-45-2

**Insecticide (veterinary)**

**Flumezapine (rINN) flū·me·za·pën**
7-Fluoro-2-methyl-4-(4-methylpiperazin-1-yl)-10H-thieno[2,3-b][1,5]benzodiazepine; C_{17}H_{19}FN_{4}S; 61325-80-2

**Antipsychotic**

**Flunarizine (rINN) flū·na·ri·zën**
trans-1-Cinnamyl-4-(4,4´-difluorobenzhydryl)piperazine; C_{26}H_{26}F_{2}N_{2}; 52468-60-7

**Calcium channel blocker**

**Flunisolide Pivalate** 30484-77-6

**Flunisolide Pivalate 2002-29-1**

**Glucocorticoid**
Flunitrazepam (rINN) floo·nî·trā·zē·pam
5-(2-Fluorophenyl)-1,3-dihydro-1-methyl-7-nitro-1,4-benzodiazepin-2-one; C₁₆H₁₂FN₃O₃; 1622-62-4
Benzodiazepine

Flunitrazepam (rINN) floo·nî·trā·zē·pam
5-(2-Fluorophenyl)-1,3-dihydro-1-methyl-7-nitro-1,4-benzodiazepin-2-one; C₁₆H₁₂FN₃O₃; 1622-62-4

Flunitrazepam (rINN) floo·nî·trā·zē·pam
5-(2-Fluorophenyl)-1,3-dihydro-1-methyl-7-nitro-1,4-benzodiazepin-2-one; C₁₆H₁₂FN₃O₃; 1622-62-4

Flunitrazepam (rINN) floo·nî·trā·zē·pam
5-(2-Fluorophenyl)-1,3-dihydro-1-methyl-7-nitro-1,4-benzodiazepin-2-one; C₁₆H₁₂FN₃O₃; 1622-62-4

Flunitrazepam (rINN) floo·nî·trā·zē·pam
5-(2-Fluorophenyl)-1,3-dihydro-1-methyl-7-nitro-1,4-benzodiazepin-2-one; C₁₆H₁₂FN₃O₃; 1622-62-4

Flunitrazepam (rINN) floo·nî·trā·zē·pam
5-(2-Fluorophenyl)-1,3-dihydro-1-methyl-7-nitro-1,4-benzodiazepin-2-one; C₁₆H₁₂FN₃O₃; 1622-62-4

The symbol ‘¬’ in systematic chemical names signifies line continuation
Fluoxetine (rINN) floo·eks·tën
N-Methyl-3-phenyl-3-(α,α,α-trifluoro-p-tolyl oxy)-propylamine; C₁₇H₁₈F₃NO; 54910-89-3
*Fluoxetine Hydrochloride 59333-67-4
Selective serotonin reuptake inhibitor; antidepressant

Fluoxymesterone (rINN) floo·eks·me·te·rön
9α-Fluoro-11β,17β-dihydroxy-17α-methylandrost-4-en-3-one; C₂₀H₂₉FO₃; 76-43-7
Anabolic steroid; androgen

Fluparoxan (rINN) floo·pa·roks·an (3aS,9aS)-5-Fluoro-2,3,3a,9a-tetrahydro-1H-[1,4]benzo[dioxino[2,3-c]pyrrole; C₁₀H₁₀FNO₂; 101389-86-0
Fluparoxan Hydrochloride 101389-87-1
Alpha₂-adrenoceptor antagonist; antidepressant

Flupentixol (rINN) floo·pen·tiks·ol
(Z)-2-[4-[3-(2-Trifluoromethylthioxanthen-9-ylidene)-propyl]piperazin-1-yl]ethanol; C₂₃H₂₅N₂OS; 69-23-8
*Flupentixol Decanoate 30909-51-4
*Flupentixol Hydrochloride 2413-38-9
Dopamine receptor antagonist; antipsychotic

Fluprednidene (rINN) floo·pred·ni·deen
9α-Fluoro-11β,17α,21-trihydroxy-16-methylenepregna-1,4-diene-3,20-dione; C₂₂H₂₇FO₅; 2193-87-5
Glucocorticoid

Fluprednisolone (rINN) floo·pred·ni·so·lön
6α-Fluoro-11β,17α,21-trihydroxypregna-1,4-diene-3,20-dione; C₂₂H₂₅FO₅; 53-34-9
Glucocorticoid
**Fluprofen** (rINN) *floo pro-fen*
2-(3’-Fluorobiphenyl-4-yl)propionic acid; C₁₅H₁₃FO₂; 17692-38-5
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

**Flurbiprofen** (rINN) *flur-b pro-fen*
2-(2-Fluorobiphenyl-4-yl)propionic acid; C₁₅H₁₃FO₂; 5104-49-4
**Flurbiprofen Sodium** 56767-76-1
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

**Fluproquazone** (rINN) *floo pro-kwa zön*
4-(4-Fluorophenyl)-1-isopropyl-7-methylquinazolin-2(1H)-one; C₁₈H₁₇FN₂O; 40507-23-1
Analgesic; anti-inflammatory

**Flurazepam** (rINN) *flur-za-pam*
7-Chloro-1-(2-diethylaminoethyl)-5-(2-fluorophenyl)-1,3-dihydro-1,4-benzodiazepin-2-one; C₂₁H₂₃ClFN₃O; 17617-23-1
**Flurazepam Dihydrochloride** 1172-18-5
**Flurazepam Monohydrochloride** 36105-20-1
Beta-adrenoceptor antagonist

**Fluroptyl** (rINN) *flur-öl*
Bis(2,2,2-trifluoroethyl) ether; C₄H₄F₆O; 333-36-8
Central nervous system stimulant

**Flusoxolol** (rINN) *flok so-lol*
(S)-1-[(4-[2-(4-Fluorophenethoxy)ethoxy]phenoxy)-3-isopropylamino propan-2-ol; C₂₂H₃₀FNO₄; 84057-96-5
Beta-adrenoceptor antagonist

**Flutamide** (rINN) *floo ta mid*
a’-a’-Trifluoro-4’-nitroisobutyro-m-toluidide; C₁₁H₁₁F₃N₂O₃; 13311-84-7
Antiandrogen

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The symbol ‘¬’ in systematic chemical names signifies line continuation.
Flutemetamol (18F) (rINN) flū'·te·me·ta·mol
2-{3-[18F]Fluoro-4-(methylamino)phenyl}-1,3-benzo[diazo]-6-ol; C14H1118FN2OS; 765922-62-1
Diagnostic agent

Fluticasone (rINN) flū'·ti·ka·sön
5-Fluoromethyl-6α,9α-difluoro-11β,17α-dihydroxy-16α-methyl-3-oxoandrosta-1,4-diene-17β-carboxylic acid; C22H27F3O4S; 905066-53-3
Fluticasone Furoate 397864-44-7
Fluticasone Propionate 80474-14-2
Glucocorticoid

Flutrimazole (rINN) flū'·trim ə-zól
(RS)-1-(2,4-Difluorotrityl)imidazole; C22H16F2N2; 119006-77-8
Antifungal

Fluvastatin (rINN) flū'·va·sta·tin
(E)-3R,5S,5R,7-[3-(4-Fluorophenyl)-1-isopropylindol-2-yl]-3,5-dihydroxy-7-enic acid; C24H26FNO4; 93957-54-1
Fluvastatin Sodium 93957-55-2
HMG Co-A reductase inhibitor; lipid-regulating drug

Fluvoxamine (rINN) flū'·voks-a-män
(E)-5-Methoxy-4-trifluoromethylvalerophenone O-2-aminoethyl-oxime; C22H21F3N2O2; 54739-18-3
Fluvoxamine Maleate 61718-82-9
Selective serotonin reuptake inhibitor; antidepressant

Folic Acid (rINN) fö·lik N-[4-(2-Amino-1,4-hydro-4-oxopteridin-6-ylmethylamino)benzoyl]-l-glutamic acid; C19H19N7O6; 59-30-3
Vitamin B component

Folinic Acid (rINN) fö·lin·ik 5-Formyltetrahydropteroylglutamic acid; leucovorin; C20H23N7O7
Calcium Folate 1492-18-8
Disodium Folate Vitamin B component

Follitropin Alfa (rINN) fö·li·trö·pin al·fa
Recombinant human follicle-stimulating hormone, alpha-glycoform; it consists of two subunits: human gonadotrophin α-subunit protein moiety reduced and human follicle-stimulating hormone clone β-subunit protein moiety reduced; 146479-72-3
Recombinant human follicle stimulating hormone; treatment of female infertility
The two subunits have the following amino acid sequences:

α-subunit:
- APDVQDCPEC
- TLIENPFFSQ
- PGAPILQCMG
- CCFSRAYTPP
- LRSKTMVLQ
- KNV7ESESTCC
- VARSYNRTVV
- MGGFKVENH
- ACHSTCYYH

β-subunit:
- NSCELNTNI
- AIEKEECRFC
- ISINTWCAO
- YCVTRDLVYK
- DPARPQIQUIT
- CTFKELVYET
- VRVPGCAHHA
- DSLTYEVAT
- QCHGKCDSD
- STDCTVRGLG
- PSYCSFGEW

*glycosylation sites
α-subunit: C452H802N122O134S13
β-subunit: C538H893N145O177S13

**Follitropin Beta** (rINN) fô-li-trö-pinn bè-ta
Recombinant human follicle-stimulating hormone, beta-glycoform; it consists of two subunits: human gonadotrophin α-subunit protein moiety and human follicle-stimulating hormone β-subunit; the two subunits have the same amino acid sequences and molecular formulae as follitropin alfa; 169108-34-3
Recombinant human follicle stimulating hormone; treatment of female infertility

**Fomepizole** (rINN) fö-me-pi-zôl
4-Methylpyrazole; C4H6N2; 7554-65-6
Alcohol dehydrogenase inhibitor; treatment of alcoholism

**Fomivirsen** (rINN) fö-mi-vîr-sen
dGuoP(S)dCydP(S)dGluP(S)dThdP(S)dThdP(S)→
dGluP(S)dCydP(S)dThdP(S)dThdP(S)→
dCydP(S)dThdP(S)dThdP(S)dGluP(S)dThdP(S)→
dGluP(S)dCydP(S)dGluP(S)dCydP(S)dThdP(S)→
C204H263N63O114P20S20; 144245-52-3
Antiviral (cytomegalovirus)

**Fomocaine** (rINN) fö-mô-kän
4-[3-(α-Phenoxy-p-tolyl)propyl]morpholine; C31H22NO2; 17692-39-6
Local anaesthetic

**Fondaparinux Sodium** (rINN) fon-da-par-in uks
Decasodium methyl O-2-deoxy-6-O-sulfo-2-(sulfoamino)-α-β-glucopyranosyl-(1→4)-Oβ-β-glucopyranosyl-(1→4)-O2-deoxy-3,6-di-O-sulfo-2-(sulfoamino)β-β-glucopyranosyl-
(1→4)-2-O-sulfo-β-β-idopyranosyl-2-deoxy-6-O-sulfo-2-
(sulfoamino)β-β-glucopyranoside;
C134H263N63O116P20S20; 114870-03-0
Inhibitor of activated factor X; anticoagulant

**Fontolizumab** (rINN) fon-to-li-zü-mab
Immunoglobulin G1, anti(human interferon α) (human-mouse monoclonal HuZAF α1-chain), disulfide with human-mouse monoclonal HuZAF light chain, dimer; 326859-36-3;
Monoclonal antibody (interferon gamma)

**Formebolone** (rINN) for-me-bo-lôn
11α,17β-Dihydroxy-17α-methyl-3-oxoandrosta-1,4-diene-2-carbaldehyde; C31H28O4; 2454-11-7
Androgen; anabolic steroid

**Formestane** (rINN) for-me-stän
4-Hydroxyandrostan-3-ene-17-dione; C19H26O3; 566-48-3
Aromatase inhibitor; treatment of breast carcinoma

-The symbol ‘→’ in systematic chemical names signifies line continuation
**Forminitrazole** (rINN) for mē·niˈtra-zôl
*N-(5-Nitro-1,3-thiazol-2-yl)formamide; C₅H₅N₃O₃S; 500-08-3
Antiprotozoal

![Forminitrazole structure](image)

**Formocortal** (rINN) for mōˈkôr·tal
3-(2-Chloroethoxy)-6-formyl-9α-fluoro-11β-hydroxy-16α,17α-isopropylidenoxoxy-20-oxopregna-3,5-dien-21-yl acetate;
C₂₈H₃₈ClFO₈; 2825-60-7
Glucocorticoid

![Formocortal structure](image)

**Formoterol** (rINN) for mōˈte·rol
2′-Hydroxy-5′-{{[(RS)-1-hydroxy-2[(RS)-4-methoxy-α-methylphenethylamino]ethyl]formanilide; C₁₉H₂₄N₂O₄; 73573-87-2
• Formoterol Fumarate 43229-80-7
Beta₂-adrenoceptor agonist; bronchodilator

![Formoterol structure](image)

**Fosaprepitant** (rINN) fōˈspəˈpi·tant
(3-{{[(2R,3S)-2-[[1(R)-1-[3,5-Bis(trifluoromethyl)phenyl]ethoxy]-3-(4-fluorophenyl)morpholin-4-yl]methyl}-5-oxo-4,5-dihydro-1H-1,2,4-triazol-1-yl]phosphonic acid;
C₁₆H₁₇F₄N₃O₆P; 713573-02-4
• Fosaprepitant Dimeglumide 265121-04-8
Neurokinin-1 (NK₁) receptor antagonist; prevention of nausea and vomiting associated with emetogenic chemotherapy

![Fosaprepitant structure](image)

**Fosazepam** (rINN) see Appendix C

**Fosazepam** (rINN) see Appendix C

**Foscarinet Sodium** (rINN) fōˈkar·net
Trisodium phosphonatoformate; CNa₃O₅P; 63585-09-1
Antiviral (cytomegalovirus)

![Foscarinet Sodium structure](image)

**Fosfomycin** (rINN) fōˈfōˈmï·sin
(1R,2S)-1,2-Epoxypropylphosphonic acid; C₃H₇O₄P; 23155-02-4
• Fosfomycin Calcium 23155-02-4
• Fosfomycin Sodium 26016-99-9
• Fosfomycin Trometamol fosfomycin tromethamine; 78964-85-9
Phosphonic acid derivative; antibacterial

![Fosfomycin structure](image)

**Fosinopril** (rINN) fōˈsinəˈpril
(4S)-4-Cyclohexyl-1-{{[(RS)-2-methyl-1-(propionyloxy)propoxy]-4-phenylbutyl}phosphinylacetyl}-i-proline;
C₃₀H₄₆NO₇P; 97825-24-6
• Fosinopril Sodium 88889-14-9
Angiotensin converting enzyme inhibitor

![Fosinopril structure](image)
Fosphenytoin (rINN) fos·fen·ë· tô·in
2,5-Dioxo-4,4-diphenylimidazolidin-1-ylmethyl dihydrogen phosphate; C₁₆H₁₅N₂O₆P; 93390-81-9

Fosphenytoin Sodium (1:2) 92134-98-0 (heptahydrate) Antiepileptic

Fosquidone (rINN) see Appendix C

Fotemustine (rINN) fö·të· mus·tên
(±)-Diethyl {1-[3-(2-chloroethyl)-3-nitrosoureido]ethyl} thionophosphonate; C₉H₁₉ClN₃O₅P; 92118-27-9 Antineoplastic alkylating agent

Framycetin (rINN) fra·mi·së·tin
An antimicrobial base produced by certain strains of Streptomyces fradiae or Streptomyces decarci; 2-deoxy-4-O-(2,6-diamino-2,6-dideoxy-α-D-glucopyranosyl)-5-O-[3-O-(2,6-diamino-2,6-dideoxy-L-idopyranosyl)-β-D-ribofuranosyl]-o-streptamine; neomycin B; C₂₃H₄₆N₆O₁₃; 119-04-0
* Framycetin Sulfate 4146-30-9 Antibacterial

Frentizole (rINN) fren·ti·zôl
1-(6-Methoxy-1,3-benzothiazol-2-yl)-3-phenylurea; C₁₅H₁₃N₃O₂S; 26130-02-9 Immunomodulator

Frovatriptan (rINN) frö·va·trip·tan
(6R)-5,6,7,8-Tetrahydro-6-methylaminocarbazole-3-carboxamide; C₁₄H₁₇N₃O; 158747-02-5
Frovatriptan Succinate 158930-17-7 (monohydrate) Serotonin 5HT₁ receptor agonist; treatment of migraine

Fruomide see Furosemide

Fulvestrant (rINN) fū·vë·trant
7α-[9-[(4,4,5,5,5-Pentafluoropentyl)sulfinyl]nonyl]estra-1,3,5(10)-triene-3,17β-diol; C₃₂H₄₇F₅O₃S; 129453-61-8 Estrogen receptor antagonist; treatment of breast carcinoma

Fumagillin (rINN) fû·ma·ji·lin
An alicyclic antibiotic produced by certain strains of Aspergillus fumigatis; 4-(1,2-epoxy-1,5-dimethylhex-4-enyl)-5-methoxy-1-oxaspiro[2.5]oct-6-yl hydrogen deca-2,4,6,8-tetraenedioate; C₁₆H₁₄O₈; 23110-15-8 Antibacterial

Furacrinic Acid (rINN) fû·ra·krï·nik
6-Methyl-5-(2-ethylacyloyl)benzofuran-2-carboxylic acid; C₁₃H₁₄O₄; 23580-33-8 Loop diuretic

Furaltadone (rINN) see Appendix C

Furazolidone (rINN) für·za·lo·dôn
3-(5-Nitrofurfurylideneamino)-2-oxazolidone; C₇H₇N₃O₅; 67-45-8 Antiprotozoal; antibacterial

The symbol ‘¬’ in systematic chemical names signifies line continuation
Furethidine (rINN) see Appendix C

Furoine (rINN) see Appendix C

- **Furosemide** (rINN) fûr·ö·se·mïd
  4-Chloro-N-furfuryl-5-sulfamoylanthranilic acid; C_{12}H_{11}ClN_{2}O_{5}S; 54-31-9
  Loop diuretic

- **Fusafungine** (rINN) fü·sa·fun·jën
  A depsipeptide antibiotic produced by *Fusarium lateritium* 437; 1393-87-9
  Antibacterial

- **Fusidic Acid** (rINN) fû·si·dik
  An antibiotic produced by a strain of *Fusidium*; (17Z)-ent-16α-acetoxy-3β,11β,14α-trimethyl-18-nor-5β,10α-cholesta-17(20),24-dien-21-oic acid; C_{31}H_{48}O_{6}; 6990-06-3
  Antibacterial

- **Sodium Fusidate** 751-94-0
  Antibacterial

- **Fuzlocillin** (rINN) fûz·lö·si·lin
  6-[[E]-N-(3-Furfurylideneamino-2-oxoimidazolidin-1-ylcarbonyl)-o-2-(4-hydroxyphenyl)glycyl]amino] penicillanic acid; C_{42}H_{38}N_{6}O_{5}S; 66327-51-3
  Penicillin antibacterial

- **Gabapentin** (rINN) ga·ba·pen·tin
  [1-(Aminomethyl)cyclohexyl]acetic acid; C_{9}H_{17}NO_{2}; 60142-96-3
  Antiepileptic

- **Gadobenic Acid** (rINN) ga·dö·bë·nik
  [2-(Benzyloxyethyl)-6-(carboxylatomethyl)oxo]-3,9-bis-(carboxymethyl)oxo]-3,9-triazaundecanedioato-[N,N,N,N']-gadolinium(III); C_{22}H_{24}GdN_{4}O_{11}; 113662-23-0
  Paramagnetic contrast enhancing medium for magnetic resonance imaging

- **Gadobutrol** (rINN) ga·dö·bë·trol
  rac-{10-[(2R,3S)-2,3-Dihydroxy-1-(hydroxymethyl)propyl]-2,2',2''-(1,4,7,10-tetraazacyclododecane-1,4,7-triyl)trisacetato(3–)}gadolinium; C_{18}H_{31}GdN_{4}O_{9}; 770691-21-9
  Paramagnetic contrast medium

- **Gadodiamide** (rINN) ga·dö-dë·a·mid
  Aqua[6-carboxylatomethyl-3,9-bis(methylcarbamoylmethyl)oxo]-3,6,9-triazaundecanedioato-[N,N,N,N']-gadolinium(III); C_{16}H_{28}GdN_{5}O_{9},xH_{2}O; 122795-43-1
  Paramagnetic contrast enhancing medium for magnetic resonance imaging
Gadofosveset (rINN) ga·do·fos·ve·set
Trihydrogen \{N-[{(2R)-2-[bis(carboxylato-\kappa O-methyl)amino-\kappa N]-3-{[1{(4,4-diphenylcyclohexyl)oxy}phosphoryl]oxy}propyl]-\kappa N-carboxylato-\kappa O-methyl})-N,N'-ethane-1,2-diyl}diglycinato-\kappa O,kN\}gadolinate(3–)
C₃₂H₃₂GdN₆O₁₄P; 201688-00-8
Gadofosveset Trisodium 193901-90-5
Paramagnetic contrast enhancing medium for magnetic resonance imaging

Gadopentetic Acid (rINN) ga·do·pen·te·tik
\{N´,N´-Bis(carboxymethyl)-N´,N´-[(acetato)iminodiethylene]-\kappa N,diglycinato-\kappa O,O,N,N\}gadolinium(3+); C₁₄H₂₀GdN₃O₁₀
201688-00-8
Meglimine Gadopentetate 86050-77-3
Paramagnetic contrast enhancing medium for magnetic resonance imaging

Gadoteric Acid (rINN) ga·do·te·rik
Hydrogen [1,4,7,10-tetrakis(carboxylatomethyl)-1,4,7,10-tetra-azacyclododecane-\kappa 4N]gadolinate(1–); C₁₆H₂₅GdN₄O₈
72573-82-1
Paramagnetic contrast enhancing medium for magnetic resonance imaging

Gadoteridol (rINN) ga·do·te·ri·dol
[10-(2-Hydroxypropyl-\kappa O)-\kappa O]dodecyl-1,4,7,10-tetra-azacyclododecane-1,4,7-trioltriacetato-\kappa O,O,N,N,N,N,N\{3–\}gadolinate(III); C₁₇H₃₀GdN₄O₁₂
120066-54-8
Paramagnetic contrast enhancing medium for magnetic resonance imaging

Gadoversetamide (rINN) ga·do·ver·se·tamïd
[N,N-Bis-2-[(carboxymethyl)[2-methoxyethyl]-carbamoyl]methyl]aminoethyl)glycinato(3–)gadolinium;
C₂₉H₄₂GdN₂O₁₂; 131069-91-5
Paramagnetic contrast enhancing medium for magnetic resonance imaging

Galantamine (rINN) ga·lan·ta·mën
(4aS,6R,8aS)-5,6,9,10,11,12-Hexahydro-3-methoxy-11-methyl-4aH-[1]benzofuran[3a,3,2-ef][2]benzazepin-6-ol; C₁₇H₂₁NO₃;
357-70-0
Galantamine Hydrobromide 1953-04-4
Cholinesterase inhibitor; treatment of Alzheimer’s disease

Galdansetron (rINN) gal·dan·se·tron
(3R)-1,2,3,9-Tetrahydro-9-methyl-3-(5-methyl-1H-imidazol-4-ylmethyl)carbazol-4-one; C₁₈H₁₉N₃O;
116684-92-5
Galdansetron Hydrochloride
Serotonin 5HT₃ receptor antagonist; treatment of nausea and vomiting

Gallamine (rINN) ga·la·mën
2,2´,2´-(Benzene-1,2,3-triyltrioxy)tris(triethylamine); C₁₂H₂₁N₃O₃
153-76-4
Gallamine Triethiodide 65-29-2
Non-depolarizing neuromuscular blocker

Gallopamil (rINN) ga·lo·pa·mil
5-(3,4-Dimethoxyphenethyl-N-methylamino)-2-isopropyl-2-(3,4,5-trimethoxyphenyl)valeronitrile; C₂₈H₃₉N₂O₃;
16662-47-8
Calcium channel blocker

The symbol ‘\(\rightarrow\)’ in systematic chemical names signifies line continuation.
Galsulfase (rINN) gal·sul·fās
N-Acetylgalactosamine 4-sulfatase (hamster CSL-4S-342 cell); 352858-79-4
Recombinant human arylsulfatase B; mucopolysaccharidosis

galsulfase has the following amino acid sequence:

AGASRPFHLV PFLADDLGNV DVGPHGSIR
TPHLDALAG GVLULLNYYQ PICTFPPSQNL
LTGRYQIRTG LQHQQIWPCQ PSCVPLDEKL
LPQLKQAGY TTHMVGKWHL GMYRKECLPT
RRGFDTFYGY LLSGEDYYSR ERCTLIDALN
VTRCALFDRD GEEVTGKNN MYSTNFFTKR
AIALITTHPF EKFLFYLAL QSVHEFLQVF
EEYLYFDPI QDKNRLHAYG MVSLMDEAVG
NVTAALSSSG LWNNTVFIIF TIDNGQTLAG
GNNWPLGRK WSLWEGGVRG VGFVAPLKL
QKGVKRELW HISDLWLPTVL KLARGHTNCT
KPLDGFVWK TISEGSQSPR ILLHNIDPN
PVDSSTCPRN SMAPAKDSSS LPEYAPNTS
VHAARHGWV KLGTYPQCGC YWPPFPQYN
VSEIPSSDPP TKILTILFDID RDPBEHLDS
REYPHIVTLK LSLQRYHKH SVPVYPAQD
PRCDPKATGV WGFWR

Gamolenic Acid (rINN) see Appendix C

Ganciclovir (rINN) gan·sī·klō·veer
9-{{2-Hydroxy-1-(hydroxymethyl)ethoxy}methyl}guanine;
C\textsubscript{9}H\textsubscript{13}N\textsubscript{5}O\textsubscript{4}; 82410-32-0
Antiviral (cytomegalovirus)

Ganirelix (rINN) ga·ni·re·liks
N-Acetyl-3-(2-naphthyl)-D-alanyl-D-alanyl-L-lysyl-L-lysyl-L-lysyl-D-leucyl-N\textsubscript{6}-(N,N\textsubscript{2}-diethylcarb
aminimido)-L-lysyl-L-lysyl-D-prolyl-L-alatminamide; C\textsubscript{80}H\textsubscript{103}Cl\textsubscript{3}N\textsubscript{18}O\textsubscript{13}; 124904-93-4
Ganirelix Acetate 129311-55-3 (1:2)
Luteinizing-hormone-releasing-hormone antagonist; treatment of female infertility

Gantacurium Chloride (rINN) gan·tā·cü·rē·um
(1R,2S)-2-3-[(2Z)-2-Chloro-4-3-(1S,2R)-6,7-dimethoxy-2-methyl-1-(3,4,5-trimethoxyphenyl)-1,2,3,4-tetrahydro-isoquinolinium-2-yl]propxoy]-4-oxobut-2-enoyloxy)propyl]-6,7-dimethoxy-2-methyl-1-[(3,4,5-trimethoxyphenyl)methyl]-1,2,3,4-tetrahydroisoquinolinium dichloride; C\textsubscript{31}H\textsubscript{26}Cl\textsubscript{2}N\textsubscript{2}O\textsubscript{7}; 213998-46-0
Non-depolarizing neuromuscular blocker

Garenoxacin (rINN) ga·ren·oks·a·sin
1-Cyclopropyl-8-(difluoromethoxy)-7-[(1R)-1-methyl-2,3-dihydro-1\textsubscript{H}-isoindol-5-yl]-4-oxo-1,4-dihydroquinoline-3-carboxylic acid; C\textsubscript{23}H\textsubscript{20}F\textsubscript{2}N\textsubscript{2}O\textsubscript{4}; 194804-75-6
Fluoroquinolone antibacterial

Gastrointestinal (BAN) gas·tri·kā·nū·sin
High molecular weight glycoprotein precipitated by ethanol (60%) after pepsin/hydrochloric acid digestion of hogs' stomach linings
Artificial saliva; dry mouth

Gavestinel (rINN) ga·ves·ti·nel
4,6-Dichloro-3-[2-(phenylcarbamoyl)vinyl]indole-2-carboxylic acid; C\textsubscript{14}H\textsubscript{12}Cl\textsubscript{2}N\textsubscript{2}O\textsubscript{3}; 153436-22-7; GV 150526X
NMDA (glycine) receptor antagonist
Gefarnate (rINN) je·farn·ät
A mixture of stereoisomers of 3,7-dimethylocta-2,6-dienyl 5,9,13-trimethyltetradeca-4,8,12-trienoate; geranyl farnesyl acetate; C_{27}H_{44}O_{2}; 51-77-4
Treatment of peptic ulcer disease, gastritis

Gefitinib (rINN) ge·fi·ti·nib
N-[3-(3-Chloro-4-fluorophenyl)-7-methoxy-6-[3-morpholinopropoxy]quinoxalin-4-amine; C_{22}H_{24}ClFN_{4}O_{3}; 184475-35-2
Tyrosine kinase (EGFR) inhibitor; antineoplastic

Gemcitabine (rINN) gem·si·ta·bë
(1) 4-Amino-1-{(2-deoxy-2,2-difluoro-β-D-ribofuranosyl)pyrimidin-2(H)-one; (2) 2’-Deoxy-2’,2’,2’-difluoro cytidine; C_{9}H_{11}F_{2}N_{3}O_{4}; 95058-81-4
• Gemcitabine Hydrochloride 122111-03-9
Antineoplastic pyrimidine analogue

Gemeprost (rINN) je·me·prost
(1) Methyl (E)-7-[(1R,2R,3R)-3-hydroxy-2-{[(E)-(3R)-3-hydroxy-4,4-dimethyl-1-etyl]-5-oxocyclopentyl}hept-2-enenoate; (2) Methyl (2E,13E)-(11R,15R)-11,15-dihydroxy-16,16-dimethyl-9-oxoprosta-2,13-dienoate; C_{23}H_{38}O_{5}; 64318-79-2
Prostaglandin (PGF$_{2\alpha}$) analogue

Gemfibrozil (rINN) gem·fi·bro·zil
2,2-Dimethyl-5-(2,5-xylolxy)valeric acid; C_{15}H_{22}O_{3}; 25812-30-0
Fibrate; lipid-regulating drug

Gentamicin (rINN) jen·ta·mi·sin
A mixture of aminoglycoside antibiotics produced by Micromonospora purpurea; 1403-66-3
• Gentamicin Sulfate 1403-41-0
Aminoglycoside antibacterial

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• Gestodene (rINN) jes·tö·dën
13β-Ethyl-17β-hydroxy-18,19-dinor-17α-pregn-4,15-dien-20-yn-3-one; C_{21}H_{28}O_{2}; 60282-87-3
Progestogen

Gestonorone (rINN) jes·ton·or·rôn
17α-Hydroxy-19-norpregn-4-ene-3,20-dione; C_{20}H_{28}O_{2}
Gestonorone Caproate 1253-28-7
Progestogen
Gestrinone (rINN) je·stri·nön
13β-Ethyl-17α-ethinyl-17β-hydroxygona-4,9,11-trien-3-one; C₂₁H₂₄O₂; 16320-04-0
Progestogen

Gimeracil (rINN) jim·er·á·sil
5-Chloropyridine-2,4-diol; C₅H₄ClNO₂; 103766-25-2
Dihydropyrimidine dehydrogenase inhibitor; adjuvant to therapy with fluoropyrimidines such as tegafur

Glaspimod (rINN) gla·spi·mod
(2S,7S)-N₂,N²-[2,7-bis(L-5-Oxoprolyl-L-glutamyl-L-aspartyl)-amino]octanedioyl[dL-lysine; C₄₈H₇₄N₁₂O₂₂; 134143-28-5
Immunomodulator

Glatiramer Acetate (BAN) gla·ti·ra·mer a·se·tät
Acetate salt of synthetic polypeptides prepared by chemically reacting the protected and activated derivatives of four amino acids: l-glutamic acid (l-Glu), l-alanine (l-Ala), l-tyrosine (l-Tyr) and l-lysine (l-Lys) in a specific ratio. The molar fraction of each amino acid residue ranges as follows:
l-Glu 0.129-0.153, l-Ala 0.329-0.462, l-Tyr 0.086-0.100 and l-Lys 0.300-0.374. The average molecular weight is between 4700 and 11,000 daltons with at least 68% of the material within the range of 2,500 to 28,000 daltons; 147245-92-9
Immunomodulator

Gleptoferron (rINN) glep·to·fe·ron
Macromolecular complex of iron (III) hydroxide and dextranglucoheptonic acid; 57680-55-4
Iron salt

Glibenclamide (rINN) gli·ben·kla·mid
1-[4-{2-(5-Chloro-2-methoxybenzamido)ethyl][benzene-ν sulfonyl]-3-cyclohexylurea; glyburide; C₂₃H₂₂ClN₂O₅S; 10238-21-8
Inhibition of ATP-dependent potassium channels (sulfonylurea); treatment of diabetes mellitus

Gimeracil (rINN) jim·er·á·sil
5-Chloropyridine-2,4-diol; C₅H₄ClNO₂; 103766-25-2
Dihydropyrimidine dehydrogenase inhibitor; adjuvant to therapy with fluoropyrimidines such as tegafur

Glibornuride (rINN) gli·bor·nûr·rïd
1-[(2S,3R)-2-Hydroxyborn-3-yl]-3-tosylurea; C₁₈H₂₆N₂O₄S; 26944-48-9
Inhibition of ATP-dependent potassium channels (sulfonylurea); treatment of diabetes mellitus

Gliclazide (rINN) glï·kla·zïd
1-(3-Azabicyclo[3.3.0]oct-3-yl)-3-p-tolylsulfonylurea; C₁₅H₂₁N₃O₃S; 21187-98-4
Inhibition of ATP-dependent potassium channels (sulfonylurea); treatment of diabetes mellitus

Glimepiride (rINN) gli·me·pi·rïd
trans-1-[4-{2-(3-Ethyl-4-methyl-2-oxo-3-pyrroline-1-carboxamido)ethyl][phenylsulfonyl]-3-(4-methyl cyclohexyl)urea; C₂₄H₃₄N₄O₅S; 93479-97-1
Inhibition of ATP-dependent potassium channels (sulfonylurea); treatment of diabetes mellitus

Glipizide (rINN) gli·pi·zïd
1-Cyclohexyl-3-{4-[2-(5-methylpyrazine-2-carboxamido)-ethyl][phenylsulfonyl]urea; C₂₃H₂₇N₅O₃S; 29064-61-9
Inhibition of ATP-dependent potassium channels (sulfonylurea); treatment of diabetes mellitus
Glucidone (rINN) gli·kwi·dôn
1-Cyclohexyl-3-\{\(2\)-[3,4-dihydro-7-methoxy-4,4-dimethyl-1,3-dioxo-2(1H)-isoquinolinyl]ethyl\}phenylsulfonyl\}urea; \(C_{27}H_{33}N_3O_6S\); 33432-05-1
Inhibition of ATP-dependent potassium channels (sulfonylurea); treatment of diabetes mellitus

Glisoxepide (rINN) gli·soks·ë·píd
1-Azepan-1-yl-3-\{4-\{2-(5-methyl-1,2-oxazole-3-carboxamido)ethyl\}phenylsulfonyl\}urea; \(C_{20}H_{27}N_5O_5S\); 25046-79-1
Inhibition of ATP-dependent potassium channels (sulfonylurea); treatment of diabetes mellitus

Gloxazone (rINN) gloks·azön
3-Ethoxy-2-oxobutyraldehyde bis(thiosemicarbazone); \(C_8H_{16}N_6OS_2\); 2507-91-7
Antiprotozoal

Glucagon (rINN) gloo·ka·gon
A peptide hormone produced by the \(\alpha\)-cells of the Islets of Langerhans; 16941-32-5
Hormone; treatment of hypoglycaemia
For labelling purposes, the following three-letter code, to indicate the method of production, is approved:
\(\text{(rys)}\) produced by fermentation using Saccharomyces cerevisiae containing a recombinant plasmid

Glucagon has the following amino acid sequence:

\[
\text{His-Ser-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Lys-Tyr-Leu-Asp-Ser-Arg-Arg-Ala-Gln-Asp-Phe-Val-Gln-Trp-Leu-Met-Asn-Thr}\]

Glucalox see Glucalox

Glucuronamide (rINN) see Appendix C

Glutathione (BAN) gloo·tâ·thon
\(\text{l-\(\gamma\)-Glutamyl-1-cysteinylglycine; \(C_9H_{17}N_2O_5S\); 70-18-8}\)
Prevention of neurotoxicity induced by cisplatin therapy

Glutethimide (rINN) gloo·te·thî·mid
\((\text{RS})\)-2-Ethyl-2-phenylglutarimide; \(C_{13}H_{15}NO_2\); 77-21-4
Hypnotic

Glycobiarsol (rINN) gli·kö·bi·ar·sol
[4-Glycolamidophenylarsonato(1-)]oxobismuth; \(C_8H_9AsBiNO_6\); 116-49-4
Antiprotozoal

Glycopyrronium Bromide (rINN) glï·kö·pri·rönë·num
3-\{\(\alpha\)-Cyclopentylmandeloyloxy\}-1,1-dimethylpyrrolidinium bromide; glycopyrrolate; \(C_{19}H_{28}BrNO_3\); 596-51-0
Anticholinergic

Glymidine Sodium (rINN) gli·mi·dën
Sodium salt of \(N\)-\{5-(2-methoxyethoxy)pyrimidin-2-yl\}~benzenesulfonamide; \(C_{13}H_{15}N_2O_5S\); 3459-20-9
Inhibition of ATP-dependent potassium channels (sulfonylurea); treatment of diabetes mellitus

Glycalox see Glucalox

Glycobiusol see Appendix C

Glycinamide (rINN) see Appendix C

Glycopyrrolozone (rINN) glu·kô·pi·rô·lo·zo·në
3-(\(\alpha\)-Cyclopentylmandeloyloxy)-1,1-dimethylpyrrolidinium bromide; glycopyrrolate; \(C_{19}H_{28}BrNO_3\); 596-51-0
Anticholinergic

Glyndine Sodium (rINN) gli·nï·den
Sodium salt of \(N\)-\{5-(2-methoxyethoxy)pyrimidin-2-yl\}~benzenesulfonamide; \(C_{13}H_{15}N_2O_5S\); 3459-20-9
Inhibition of ATP-dependent potassium channels (sulfonylurea); treatment of diabetes mellitus

The symbol ‘~’ in systematic chemical names signifies line continuation
Golimumab (rINN) go·li·mū·mab
Immunoglobulin G1, anti-(human tumor necrosis factor α)
(human monoclonal CNTO 148 γ1-chain), disulfide with human monoclonal CNTO 148 κ-chain, dimer; 476181-74-5;
Monoclonal antibody (TNFα); treatment of arthritis

- Gonadorelin (rINN) go·na·dō·rē·lin
Luteinising hormone-and follicle stimulating hormone-releasing factor; C_{13}H_{23}N_{17}O_{13}; 33515-09-2
- Gonadorelin Acetate 52699-48-6
- Gonadorelin Hydrochloride 51952-41-1
Gonadotrophin-releasing hormone; treatment of prostate carcinoma

Gonadotrophin see Chorionic Gonadotrophin and Serum Gonadotrophin

- Goserelin (rINN) gö·se·re·lin
C_{19}H_{29}N_{18}O_{14}; 65807-02-5
Goserelin Acetate
Gonadotrophin releasing hormone (gonadorelin) analogue; treatment of prostate carcinoma

Gonadotrophin see Appendix C

- Gramicidin (rINN) gra·mi·sid·in
An antimicrobial cyclic polypeptide produced by the growth of Bacillus brevis Dubos
Polypeptide antibacterial
Granisetron (rINN) gra·ni·set·ron
1-Methyl-N-[(3R)-9-methyl-9-azabicyclo[3.3.1]non-3-yl]-1H-indazole-3-carboxamide; C_{18}H_{24}N_{4}O
Granisetron Hydrochloride 107007-99-8
Serotonin 5HT_{3} receptor antagonist; treatment of nausea and vomiting

Guaifenesin (rINN) gwï·fen·ë·sin
3-(2-Methoxyphenoxy)propane-1,2-diol; C_{10}H_{14}O_{4}; 93-14-1;
present in many antitussive preparations
Expectorant

- Guainfesin (rINN) gwai·fen·ë·sin
3-(2-Methoxyphenoxy)propane-1,2-diol; C_{10}H_{14}O_{4}; 93-14-1;
present in many antitussive preparations

Guanecycline (rINN) gwa·më·sik·lën
N²-(4-Guanidoniformidoylpiperazin-1-ylmethyl)tetracycline; C_{20}H_{23}N_{6}O_{3}; 16343-11-2
Antibacterial

Guanacine (rINN) see Appendix C

Guanethidine (rINN) gwa·ne·thi·dën
1-[2-(Perhydroazocin-1-yl)ethyl]guanidine; C_{10}H_{22}N_{4}; 55-65-2
Guanethidine Monosulfate 645-43-2
Adrenergic neuron blocker

Guanfacine (rINN) gwan·fa·sën
N-Amidino-2-(2,6-dichlorophenyl)acetamide; C_{10}H_{12}Cl_{2}N_{4}O;
Guanfacine Hydrochloride 29110-48-3
Alpha₂-adrenoceptor agonist; treatment of hypertension

Guanoclor (rINN) gwa·nö·klor
1-[2-(2,6-Dichlorophenyl)ethylamino]guanidine;
Guanoclor Sulfate 551-48-4
Alpha₂-adrenoceptor agonist; treatment of hypertension

Growth Hormone (rINN) see Appendix C
The symbol ‘¬’ in systematic chemical names signifies line continuation.
Halopyramine see Chloropyramine

- Halothane (rINN) hà-lò-thân
  1-Bromo-1-chloro-2,2,2-trifluoroethane; C₃HBrClF₃; 151-67-7
  General anaesthetic

- Haloxon (rINN) ha-løk-søn
  Bis(2-chloroethyl) 3-chloro-4-methylcoumarin-7-yl phosphate;
  C₃₈H₂₆Cl₂O₇P; 321-55-1
  Antihelminthic (veterinary)

Halquinol (BAN) hal-kwi-nol
A mixture of chlorinated products of quinolin-8-ol containing
about 65 per cent of 5,7-dichloroquinolin-8-ol; 8067-69-4
Antiseptic

Hedauquinum Chloride (rINN) see Appendix C

Hemoglobin Raffimer (rINN) hè-mö-glä-bin raf-rëm-ër
The polyaldehyde [(2R,4S,6R,8R,11S,13R)-1,14-dihydroxy-4-
hydroxymethyl-3,5,7,10,12-pentaoxatetradecane-2,4,6,8,11,13-
hexa-carbaldehyde] derived from raffinose \( \alpha \)-\( \omega \)-fructofuranosyl
\( \alpha \)-\( \omega \)-galactopyranosyl-(1\( \rightarrow \)6)-\( \alpha \)-\( \omega \)-glucopyranoside] by
treatment with sodium periodate is reacted with human
haemoglobin A₀ at the 2,3-DPG binding pocket. Both
intermolecular and intramolecular crosslinking occurs. This
product is reduced to generate covalent amine bonds with >95%
crosslinked haemoglobin of which about 55% is polymerised;
19746-97-8
Haemoglobin substitute

Heparin (BAN) he-pə-rin
An anionic polysaccharide of mammalian origin, with irregular
sequence, consisting principally of alternating iduronate and
glucosamine residues, most of which are sulphated; 9005-49-6
- Heparin Calcium 3727-0-89-6
- Heparin Sodium 9041-08-1
Anticoagulant

Heptabarb (rINN) see Appendix C

Heptaminol (rINN) hep-ta-mi-nol
6-Amino-2-methylheptan-2-ol; C₇H₁₅NO; 372-66-7
- Heptaminol Hydrochloride 543-15-7
Non-selective phosphodiesterase inhibitor; treatment of
reversible airways obstruction

Hetaflur (rINN) he-ta-flûr
Hexadecylamine hydrofluoride; C₁₆H₃₆FN; 3151-59-5;
143-27-1 (base)
Fluoride analogue

Hetacillin (rINN) he-ta-si-lin
6-[(4R)-2,2-Dimethyl-5-oxo-4-phenylimidazolidin-1-yl]-
penicillanic acid; C₂₀H₂₂N₂O₂S; 3511-16-8
Penicillin antibacterial

Hetastarch (BAN) he-ta-starch
A starch consisting of more than 90% of amylopectin and
partially etherified with hydroxyethyl groups; hydroxyethyl-
starch; 9005-27-0
Plasma volume expander

Heteronium Bromide (rINN) he-ter-ron-ë-me
(RS)-1,1-Dimethyl-3-(\( \alpha \)-2-thienylmandeloxy)pyrrolidinium
bromide; C₁₉H₂₃BrNO₂S; 7247-57-6
Anticholinergic
and enantiomer
• **Hexachlorophene** (rINN) heks-a klør-ro-fën
  2,2´-Methylenebis(3,4,6-trichlorophenol); C₁₃H₆Cl₆O₂; 70-30-4
  **Antiseptic**

Hexadimethrine Bromide (rINN) heks-a de me-thrën
Poly(4,4-dimethyl-4-ammoniododecyldimethylammonium dibromide); [C₁₃H₂₉Br₂N₂]ₙ; 9011-04-5
**Heparin neutralizer**

Hexamethonium Bromide (rINN) heks-a me tho-ne-um
N,N-Hexamethylenbis(trimethylammonium) dibromide; C₁₂H₂₅BrN₂; 53-97-0
**Ganglion blocker**

Hexamethonium Iodide (INNM)
N,N-Hexamethylenbis(trimethylammonium) di-iodide; C₁₂H₂₅I₂N₂; 870-62-2
**Ganglion blocker**

Hexamethonium Tartrate (INNM)
N,N'-Hexamethylenbis(2-carbamoyloxyethyltrimethyl ammonium) dibromide; C₁₈H₄₀N₄O₄Br₂; 306-41-2
**Neuromuscular blocker**

**Hexamine Hippurate** see Methenamine

Hexaprofen (rINN) heks-a prø-fen
2-(4-Cyclohexyl/phenyl)propionic acid; C₁₅H₁₆O₂; 24645-20-3
**Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory**

Hexapropymate (rINN) heks-a prø-pi-mät
1-(Prop-2-ynyl)cyclohexyl carbamate; C₁₀H₁₅NO₂; 358-52-1
**Hypnotic**

Hexazole (BAN) heks-a zól
4-Cyclohexyl-3-ethyl-1,2,4-triazole; C₁₀H₁₇N₃; 4671-03-8
**Respiratory stimulant**

Hexcarbacholine (rINN) heks kar ba kö-len
N,N'-Hexamethylenbis(2-carbamoyloxyethyltrimethyl ammonium) dibromide; C₁₈H₄₀N₄O₄Br₂; 306-41-2
**Neuromuscular blocker**

Hexetidine (rINN) heks e-ti-dën
1,3-Bis(2-ethylhexyl)perhydro-5-methylpyrimidin-5-ylamine; C₂₁H₄₅N₃; 141-94-6
**Antiseptic**

The symbol ‘¬’ in systematic chemical names signifies line continuation
Hexobendine (rINN) heks·ö ben·đen
Ethylenebis[(methyl)iminopropane-3,1-diyl] bis(3,4,5-trimethoxybenzoate); C₃₀H₄₄N₂O₁₀; 54-03-5
Vasodilator

Hexocyclium Metilsufate (rINN) heks·ō si·klë·um
4-([ß-Cyclohexyl-[ß-hydroxyphenethyl]-1,1-dimethyl-]-piperazinium methylsulfate; C₂₁H₃₆N₂O₅S; 115-63-9
Anticholinergic

Hexoprenaline (rINN) see Appendix C

Hexylresorcinol (rINN) heks·ē·lor·si·nol
4-Hexylbenzene-1,3-diol; C₁₂H₁₈O₂; 136-77-6
Antihelminthic

Histidine (rINN) hiss·ti·dën
l-Histidine; (S)-2-Amino-3-(imidazol-4-yl)propanoic acid; C₆H₉N₃O₂; 71-00-1;
Histidine Hydrochloride 645-32-2
Amino acid

Homatropine (rINN) ho ma·rō·pën
(1R,3r,5S)-Tropan-3-yl (RS)-mandelate; C₁₆H₂₁NO₃; 87-00-3
Homatropine Hydrobromide 51-56-9
Homatropine Methylbromide 80-49-9
Anticholinergic

Homidium Bromide (rINN) ho mi·dë·um
3,8-Diamino-5-ethyl-6-phenylphenanthridinium bromide; C₂₁H₂₀BrN₃; 1239-45-8
Antiprotozoal

Homochlorcyclizine (rINN) hö·mö·klor·sï·kli·zën
1-(4-Chlorobenzhydryl)perhydro-4-methyl-1,4-diazepine; C₁₉H₂₃ClN₂; 848-53-3
Histamine H₁ receptor antagonist; antihistamine

Homoprenorphine (rINN) hom·pre·nor·fën
(1) (2R)-2-[(S,6R,7R,14R)-17-Cyclopropylmethyl-4,5-epoxy-3,6-dimethoxy-6,14-ethenomorphinan-7-yl]butan-2-ol;
(2) 17-Cyclopropylmethyl-7,8-dihydro-7-[(1R,1)-1-hydroxy-1-methyl[propl]-3,6-di-O-methyl-6,14-etheno-17-normorphone;
C₂₈H₃₇NO₄; 16549-56-7
Opioid receptor agonist; analgesic

Human Fibrinogen (BAN) fi·brin·ö·jen
Blood coagulation factor I (human); 9001-32-5
Blood coagulation factor I
Human Insulin (rINN)
A protein having the normal structure of the natural antidiabetic principle produced by the human pancreas. When produced by synthesis, semi-synthesis or other artificial means, the name, for labelling purposes, carries in parentheses an approved code in lower case letters indicative of the method of production; C_{257}H_{383}N_{65}O_{77}S_{6}; 11061-68-0; for trade names see Biphasic Insulin Injection; Biphasic Isophane Insulin Injection; Insulin Injection; Insulin Zinc Suspension; Insulin Zinc Suspension (Amorphous); Insulin Zinc Suspension (Crystalline) and Isophane Insulin Injection

Hypoglycaemic
The following codes are approved and others will be made available as the need arises:

(emp) produced by the enzymatic modification of insulin obtained from the pancreas of the pig

(crb) produced by the chemical combination of the A and B chains of the protein, each chain having been obtained from bacteria genetically-modified by recombinant DNA technology

(prb) produced from proinsulin obtained from bacteria genetically-modified by recombinant DNA technology.

Hormone; treatment of diabetes mellitus

human insulin has the following amino acid sequence:

Chain A
Gly-Ile-Val=Glu-Gln-Cys-Cys-Thr
Ser-Ile-Cys-Ser-Leu-Tyr=Gln-Leu
Glu-Asn-Tyr=Cys-Asn
Phe-Val-Asn=His-Leu-Cys=Gly
Ser-His-Leu-Val=Glu-Ala-Leu Tyr
Leu-Val-Cys=Gly-Glu=Arg=Gly-Phe
Phe-Tyr-Thr=Pro=Lys=Thr

Chain B

Human Menopausal Gonadotrophins (BAN)
Purified extract of human post-menopausal urine containing follicle-stimulating hormone (FSH) and luteinising hormone (LH); the relative in-vivo activity is designated as a ratio

The following forms of Human Menopausal Gonadotrophins are recognised:

Human Menopausal Gonadotrophins (FSH:LH, 3:1)
Human Menopausal Gonadotrophins (FSH:LH, 2:1)
NB Human Menopausal Gonadotrophins (FSH:LH, 1:1) is known as menotrophin
Hormone; treatment of female infertility

see also Follitropin Alfa, Follitropin Beta and Menotrophin

Hyaluronidase (rINN) hī a lūr-ro ni-dāz
Enzymes that depolymerise hyaluronic acid; 9001-54-1
Used to promote absorption of fluid into tissues

Hyaluronic Acid (BAN) hī a lūr-ro mìk
(1→3)-(2-Acetamido-2-deoxy-β-D-glucopyranosyl)-(1→4)-O-β-D-glucopyranosiduronan; 9004-61-9

Sodium Hyaluronate 9004-32-7
Natural component of the ground substance surrounding cells (veterinary)

Hydralazine (rINN) hī dra la-zān
Phthalazin-1-ylhydrazine; C_{8}H_{8}N_{4}; 86-54-4

Hydralazine Hydrochloride 304-20-1
Vasodilator; treatment of hypertension

Hydralazine (rINN) hī dra la-zān
Phthalazin-1-ylhydrazine; C_{8}H_{8}N_{4}; 86-54-4

Hydralazine Hydrochloride 304-20-1
Vasodilator; treatment of hypertension

Hydrochlorothiazide (rINN) hī drō-klor-ro-thī-a-zīd
6-Chloro-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide; C_{6}H_{4}ClN_{4}O_{2}; 58-93-5
Thiazide diuretic

Hydrocodone (rINN) hī drō-kō-dōn
(1) (-)-(5R)-4,5-Epoxy-3-methoxy-17-methylmorphinan-6-one;
(2) 6-Deoxy-3-O-methyl-6-oxomorphine; C_{18}H_{21}NO_{3}; 125-29-1

Hydrocodone Hydrogen Tartrate 34195-34-1
Opioid receptor agonist; cough suppressant

Hydrocortisone (rINN) hī drō-kør-ti-sōn
11β, 17α, 21-Trihydroxypregn-4-ene-3,20-dione; C_{21}H_{28}O_{5}; 50-23-7

Hydrocortisone Acetate 50-03-3
Hydrocortisone Butyrate 13609-67-1

Hydrocortisone Hydrogen Succinate 2203-97-6

Hydrocortisone Sodium Phosphate 6000-74-4

Hydrocortisone Sodium Succinate 125-04-2
Corticosteroid

The symbol ‘¬’ in systematic chemical names signifies line continuation.
Hydroflumethiazide (rINN) hí·drö·floo·me·thï·a·zïd
3,4-Dihydro-6-trifluoromethyl-2H-1,2,4-benzo thiadiazine-7-sulfonamide 1,1-dioxide; C₈H₈F₃N₃O₄S₂; 135-09-1
Thiazide diuretic

Hydromorphinol (rINN) hí·drö·mor·fi·nol
(1) (5R,6S)-4,5-Epoxy-17-methylmorphinan-3,6,14-triol;
(2) 7,8-Dihydro-14-hydroxymorphine; C₁₇H₂₁NO₄; 2183-56-4
Opioid receptor agonist; analgesic

Hydromorphine (rINN) hí·drö·mor·fïn
(1) (-)-(5R)-4,5-Epoxy-3-hydroxy-17-methylmorphinan-6-one;
(2) 6-Deoxy-7,8-dihydro-6-oxomorphine; C₁₇H₁₉NO₃; 466-99-9
● Hydromorphine Hydrochloride 71-68-1
Opioid receptor agonist; analgesic

Hydrotalcite (rINN) hí·drö·tal·sit
Aluminium dimagnesium carbonate hexahydrate tetrahydrate;
Mg₆Al₂(OH)₆CO₃·4H₂O; 12304-65-3
Antacid

Hydroxamethocaine see Hydroxytetracaine

Hydroxocobalamin (rINN) hí·dröks·ë·ko·bal·a·mïn
Co-(α-(5,6-Dimethylbenzimidazol-1-yl))-Coβ-hydroxocobamide; C₆H₁₁CoN₁₀O₃P; 13422-51-0
● Hydroxocobalamin Acetate 22465-48-1
● Hydroxocobalamin Chloride 58288-50-9
● Hydroxocobalamin Sulphate
Vitamin B₁₂, analogue

Hydroxychloroquine (rINN) hí·dröks·ë·klor·rö·kwën
(RS)-2-[4-(7-Chloro-4-quinolylamino)pentyl(ethyl)amino]-ø ethanol; C₁₈H₂₆ClN₃O; 118-42-3
● Hydroxychloroquine Sulfate 747-36-4
Antiprotozoal (malaria)

Hydroxydione Sodium Succinate (rINN) hí·dröks·ë·di·ön
Sodium 3,20-dioxo-5a-pregn-21-yl succinate; C₃₅H₅₃NaO₁₃; 53-10-1
General anaesthetic
Hydroxypethidine (rINN) hē dros-kē pē thi dēn
Ethyl 4-(3-hydroxyphenyl)-1-methylpiperidine-4-carboxylate; C₁₅H₂₁NO₃; 468-56-4
Opioid receptor agonist

Hydroxyprocaine (rINN) hē dros-kē prō kān
2-Diethylaminoethyl 4-aminosalicylate; C₁₃H₂₀N₂O₃; 487-53-6
Local anaesthetic

Hydroxyprogesterone (rINN) hē dros-kē prō-jēs te rōn
17α-Hydroxyprogren-4-ene-3,20-dione; C₂₃H₃₀O₃; 68-96-2
• Hydroxyprogesterone Caproate (hydroxyprogesterone hexanoate) 630-56-8
Progestogen

Hydroxytetracaine (rINN) see Appendix C

Hydroxytoluic Acid (rINN) hē dros-kē to-lū ik
2-Hydroxy-m-toluic acid; C₈H₈O₃; 83-40-9
Analgesic

Hydroxyurea see Hydroxycarbamide

Hydroxyzine (rINN) hē dros-kē xēn
(RS)-2-[[4-(p-Chloro-α-phenylbenzyl)piperazin-1-yl]ethoxy]ethanol; C₂₂H₂₅ClN₂O₂; 68-88-2
• Hydroxyzine Hydrochloride 2192-20-3
Histamine H₁ receptor antagonist

Hyoscyamine (BAN) hē o-sēn
(1S,3r,5R,6R,7S,8S)-6,7-Epoxy-3-[[S]-tropoyloxy]tropane; C₁₇H₂₁NO₄; 51-34-3
• Hyoscyamine Sulfate 620-61-1
Anticholinergic

Hyoscyamine (BAN) hē o-sē a mēn
(1R,3r,5S)-Tropan-3-yl (S)-tropate; C₁₇H₂₃NO₄; 101-31-5
• Hyoscyamine Sulfate 620-61-1
Anticholinergic

The symbol ‘¬’ in systematic chemical names signifies line continuation
**Hypromellose** (rINN) hɪ·prə·me·lös
A mixed ether of cellulose containing, by weight, 27 to 30% of methoxyl groups and 4 to 7.5% of hydroxypropyl groups; 8063-82-9

**Hypromellose Phthalate**
Artificial tears

**Ibafloxacin** (rINN) į·ba·flok·sə·sən
(RS)-9-Fluoro-6,7-dihydro-5,8-dimethyl-1-oxo-1H,5H-pyrido[3,2,1-ij]quinoline-2-carboxylic acid; C_{15}H_{14}FNO_{3}; 91618-36-9
Fluoroquinolone antibacterial

**Ibandronic Acid** (rINN) į·bän·dro·nik a·sid
1-Hydroxy-3-[methyl(pentyl)amino)propane-1,1-diylbis-γ (phosphonic acid); C_{9}H_{22}NO_{7}P_{2}; 11408-76-5
Sodium Ibandronate
Bisphosphonate; treatment of osteolytic lesions; osteoporosis; hypercalcaemia in malignancy

**Ibuprofen** (rINN) į·bü·prö·fen
(RS)-2-[4-(2-Methylpropyl)phenyl]propanoic acid; C_{13}H_{18}O_{2}; 15687-27-1
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

**Ibutilide** (rINN) į·bü·ti·lïd·e
(RS)-4´-[4-Ethyl(heptyl)amino]-1-hydroxybutyl]-methanesulfonanilide; C_{20}H_{36}N_{2}O_{3}S; 122647-31-8
Ibutilide Fumarate
Class I antiarrhythmic

**Ibritumomab Tiuxetan** (rINN) į·bri·tŭ·mɒ·mɒb tɪ·ʊk·se·tən
Non-radioactive monoclonal antibody-chelator chemical precursor for diagnostic imaging radiopharmaceutical

**Ibrutinib** (rINN) į·bru·tɪ·ni·b
1-[(3R)-3-[4-Amino-3-(4-phenoxypyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl]piperidin-1-yl]prop-2-en-1-one; C_{23}H_{24}N_{6}O_{5}; 93653-96-1
Inhibitor of Bruton’s tyrosine kinase; treatment of mantle cell lymphoma and chronic lymphocytic leukaemia

**Ibufenac** (rINN) į·bú·fe·nak
(4-Isobutylphenyl)acetic acid; C_{12}H_{16}O_{2}; 1553-60-2
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

**Ibutidine** (rINN) į·bü·ti·dïd·e
(RS)-4-[4-(2-Methylpropyl)phenyl]propanoic acid; C_{13}H_{18}O_{2}; 15687-27-1
Ibuprofen Lysine
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

**Icatibant** (rINN) į·kat·ɪ·bɑnt
N-[(2-[Arginyl-l-arginyll-l-prolyl-(4R)-4-hydroxy-l-prolyl]-glycyl-3-(thiophen-2-yl)-l-alanyll-l-sereryl)-(1-[(3R)-1,2,3,4-tetrahydroisoquinol-3-yl]carbonyll)-(2S,3aS,7aS-hexahydro-1-indolin-2-yl)carbonyll]-l-arginine; C_{95}H_{99}N_{19}O_{31}S; 130308-48-4
Icatibant Acetate
Selective bradykinin B_{2} antagonist; treatment of hereditary angioedema
• **Ichthammol (BAN) ik-tha mol**
  Ammonium salts of the sulfonic acids of an oily substance prepared from a bituminous schist or shale, together with ammonium sulfate and water; 8029-68-3
  *Chronic lichenified eczema*

**Icodextrin (rINN) i·kö·deks·trin**
(1→4)-α-D-Glucan having more than 85% of its molecules with molecular weights between 1640 and 45,000 with a weight-average molecular weight of approximately 20,000; [C₆H₁₀O₅]ₙ; 9004-53-9
  *Glucose polymer; peritoneal dialysis*

**Icometasone Enbutate (rINN) i·kö·me·ta·sön·ën·bü·tät**
9α-Chloro-11β-hydroxy-16α-methyl-3,20-dioxopregna-1,4-diene-17,21-diy1 17-butyrate 21-acetate; C₂₈H₃₇ClO₇; 103466-73-5
  *Glucocorticoid*

**Idarubicin (rINN) i·da·roo·bi·sin**
(7S,9S)-9-Acetyl-7-(3-amino-2,3,6-trideoxy-α-L-lyxo-hexo-pyranosloxy)-7,8,9,10-tetrahydro-6,9,11-trihydroxy-naphthacene-5,12-dione; C₂₈H₂₇NO₇; 58957-92-9
  *Antineoplastic anthracycline antibacterial*

**Idazoxan (rINN) i·da·zoks·an**
(RS)-2-(2,3-Dihydro-1,4-benzodioxin-2-yl)-2-imidazoline; C₁₂H₁₂N₂O₂; 79944-58-4
  *Alpha₂-adrenoceptor antagonist*

**Idazoxan Hydrochloride**
57852-57-0

**Idelalisib (rINN) i·del·a·lis·ib**
5-Flouro-3-phenyl-2-{(1S)-1-[(7H-purin-6-yl)amino]propyl} quinazolin-4(3H)-one; C₂₂H₁₈FN₅O; 870281-82-6
  *Phosphoinosiste-3 kinase inhibitor; treatment of chronic lymphocytic leukaemia and B-cell non-Hodgkin’s lymphomas*

**Idelalisib Hydrochloride**
79944-56-2

**Idexoxifene (rINN) i·doks·i·fën**
(E)-1-{2-[4-(1-p-Iodophenyl-2-phenylbut-1-enyl)phenoxy]ethyl}pyrrolidine; C₂₈H₃₀INO; 116057-75-1
  *Selective estrogen receptor modulator*

**Idexoridine (rINN) i·doks·ür·i·dën**
5-Iodo-1-(2-deoxy-ß-D-erythro-pentofuranosylpyrimidine-2,4-[1H,3H]-dione; C₉H₉N₃O₇; 54-42-2
  *Pyrimidine nucleoside analogue; antiviral (herpes viruses)*

The symbol ‘¬’ in systematic chemical names signifies line continuation
Idursulfase (rINN) ï·dur·sul·fás
μ-1-Iduronate sulfate sulfatase; C_{2689}H_{4057}N_{699}O_{792}S_{14}
(subunit protein moiety reduced); 50936-59-9
Iduronate-2-sulfatase;mucopolysaccharidosis type II

idursulfase has the following amino acid sequence:

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<th>Vlv</th>
<th>Lrd</th>
<th>Lcy</th>
<th>Gcy</th>
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<td>3</td>
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<td>5</td>
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<td>Ser</td>
<td>Thr</td>
<td>Lys</td>
<td>Arg</td>
<td>Glu</td>
</tr>
</tbody>
</table>

Iloprost (rINN) ï·lö-prost
(\(E\)-5-\{(3\(a\)S;\(R\)\,\(S\)\,\(S\)\)\,\(R\)\,\(S\)\,\(S\)\)\,\(R\)\,\(S\)\,\(S\)\,\(R\)\,\(S\)\,\(S\)\,\(R\))\)-5-Hydroxy-4-\{(\(E\)-\(E\)\,\(R\)\,\(S\)\,\(R\)\,\(S\)\,\(S\)\,\(R\)\,\(S\)\,\(S\)\,\(R\)\,\(S\)\,\(S\)\,\(R\)\,\(S\)\,\(S\)\,\(R\)\,\(S\)\,\(S\)\,\(R\)\,\(S\)\,\(S\)\,\(R\))\)-3-hydroxy-4-methyl-1-en-6-ynyl| perhydropentalen-2-ylidene\)\_\(\_\)\-pentanoic acid; C_{25}H_{22}O_{4}; 73873-87-7
Prostaglandin (PGI2) analogue

Imatinib (rINN) ï·ma·ti·nib
4\'\'-Methyl-4-\{(4-methylpiperazin-1-yl)methyl\}-3\'\'-\{(4-(3-pyridyl)pyrimidin-2-yl)amino\} benzanilide; C_{29}H_{31}N_{7}O; 152439-95-5
Imatinib Mesylate
Tyrosine kinase (BCR-ABL) inhibitor; antineoplastic

Imcimobrh Pentetate (INNM) ï·i·mi·cō·rab pen·te·tät
An IgG2a antibody derived from the cell line R11D10 and directed to the heavy chain of human cardiac myosin; 126132-83-0
Non-radioactive monoclonal antibody-chelator chemical precursor for diagnostic imaging radiopharmaceutical

Imidapril (rINN) ï·mī·da·pril
(S)-3-\{N-\{(S)-1-Ethoxycarbonyl-3-phenylpropyl\}-L-alanyl\}-1-methyl-2-oximidoazolidine-4-carboxylic acid; C_{20}H_{27}N_{3}O_{4}; 89371-37-9
Imidapril Hydrochloride 89396-94-1
Angiotensin converting enzyme inhibitor

Imidaprilat (rINN) ï·mi·dī·prī·la\’t
(4S)-3-\{(2S)-2-\{(1S)-1-Carboxy-3-phenylpropylamino\}\_\(\_\)\-propionyl\}-1-methyl-2-oximidoazolidine-4-carboxylic acid; C_{20}H_{27}N_{3}O_{4}; 89371-44-8
Angiotensin converting enzyme inhibitor
Imidocarb (rINN) imi·do·karb
1,3-Bis[3-(2-imidazolin-2-yl)phenyl]urea; C\textsubscript{19}H\textsubscript{20}N\textsubscript{6}O; 27885-92-3

Imidocarb Dipropionate
Antiprotozoal

Imiglucerase (rINN) imi·gloo·se·räs
Recombinant, human-derived, macrophage-targeted β-glucocerebrosidase (r-GCR); a monomeric glycoprotein of 497 amino acids glycosylated at asparagine residues 19, 59, 146 and 270; C\textsubscript{2532}H\textsubscript{3843}N\textsubscript{671}O\textsubscript{711}S\textsubscript{16}; 154248-97-2
Enzyme (β-glucocerebrosidase): treatment of Gaucher’s disease
For labelling purposes, the following three-letter code, to indicate the method of production, is approved:
*(rch)* produced from genetically engineered chinese hamster ovary cells

Imiglucerase has the following amino acid sequence:

```
APCIPFSFG  YSSVVCVCA  TYSCHDFFPT
FPALGTFNRE  ESTRSGRME  LSGMIQANH
TGTGLLTLQ  PEQFGQKVKG  FGGAMTDAAA
LNIIALSPPA  QNLLKSYFS  EEEGIGNNIR
VPMASCDFS1  RTTVYADTPD  DFOHNNFSLP
EEDTKLIKPL  IHRALQLAQR  PVSSLASFWT
SPTWLRNTGA  VNGKGSRGQ  FPDITYHTWA
RYYVFKFDAY  AEHKLQFWAV  TAEENPSAGL
LSGYFQCLG  FTFEHQRFDI  ARDLGPTLNN
STHNNRLLM  LDDQQLLPH  WAKVTLTPFE
AAYVHGIAV  HWYLDFLAPA  KATLGETHRL
FPNTMLFAE  ACVGSFWEQ  SVRLGSGWDRG
MQYSHSIITN  LLYHYVGVTD  WNLALNPEGG
PNNWNVFDS  PITVIDTKDT  PFKQPMFYHL
GHFSKIPFG  SQVRGLVASQ  KNLDIAVAlMN
HPDGSAVVV  LNRSSKDFVP  TIKDFAVAQFL
ETISPGYSH  TYIWHRQ
```

* glycosylation site

Imipenem (rINN) imi·pe·nem
(5R,6S)-6-[(5R)-1-Hydroxyethyl]-3-[(2-iminomethylamino)ethylthio]-7-oxo-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid; C\textsubscript{12}H\textsubscript{17}N\textsubscript{2}O\textsubscript{3}; 64221-86-9
Carbapenem antibacterial

Imipramine (rINN) imi·pra·mën
3-(10,11-Dihydro-5H-dibenzo[b,f]azepin-5-yl)propyl dimethylamine; C\textsubscript{19}H\textsubscript{24}N\textsubscript{2}; 50-49-7
Imipramine Hydrochloride 113-52-0
Monoamine reuptake inhibitor; tricyclic antidepressant

Imiquimod (rINN) imi·kwi·mod
1-Isobutyl-1H-imidazo[4,5-c]quinolin-4-ylamine; C\textsubscript{14}H\textsubscript{16}N\textsubscript{4}; 99011-02-6
Immunomodulator; treatment of perianal and genital warts

Imolamine (rINN) im·o·la·mën
Diethyl[2-((5-imino-3-phenyl-1,2,4-oxadiazolin-4-yl)ethyl)-1H-imidazol-1-yl]amine; C\textsubscript{16}H\textsubscript{20}N\textsubscript{4}O; 318-23-0
Vasodilator

Impromidine (rINN) im·prö·mi·dën
1-[(3-Imidazol-4-ylpropyl)-3-[2-(5-methylimidazol-4-ylmethylthio)ethyl]guanidine; C\textsubscript{16}H\textsubscript{20}N\textsubscript{5}S; 55273-05-7
Impromidine Hydrochloride 65573-02-6
Histamine H\textsubscript{2} receptor agonist

The symbol ‘¬’ in systematic chemical names signifies line continuation
**Indacaterol** (rINN) *in·dák·te·rōl*
5-[(1R)-2-[[5,6-Diethyl-2,3-dihydro-1H-inden-2-yl]amino]-1-hydroxyethyl]-8-hydroxyquinolin-2(1H)-one; 
C₂₄H₂₈N₂O₃; 312753-06-3

**Indacaterol Maleate** 753498-25-8
Beta-adrenoceptor agonist; treatment of chronic obstructive pulmonary disease

**Indalpine** (rINN) *in·dál·pēn*
3-[[2-(4-Piperidyl)ethyl]indole; C₁₅H₂₀N₂; 63758-79-2
Monoamine reuptake inhibitor; antidepressant

**Indapamide** (rINN) *in·da·pa·mīd*
(RS)-4-Chloro-N-(2-methylindolin-1-yl)-3-sulfamoylbenzamide; 
C₁₆H₁₆ClN₃O₃S; 26807-65-8
Thiazide-like diuretic

**Indisolam** (rINN) *in·di·sō·läm*
N-(3-Chloroindol-7-yl)benzene-1,4-disulfonamide; 
C₁₃H₁₄ClIN₂O₄S₂; 165668-41-7
Cytotoxic

**Indoildan** (rINN) *in·dō·li·dān*
3,3-Dimethyl-5-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1-indolino-2-one; C₁₄H₁₅N₃O₂; 100643-96-7
Inhibitor of phosphodiesterase type III; positive inotrope

**Indenolol** (rINN) *in·de·no·lol*
1H-Inden-4(or 7)-yloxy-3-isopropylaminopropan-2-ol; 
C₁₅H₁₉NO₂; 60607-68-3
Beta-adrenoceptor antagonist

**Indinavir** (rINN) *in·di·na·veer*
(2R,4S)-2-Benzyl-5-[(2S)-2-tert-butylcarbamoyl]-4-(3-pyridylmethyl)pyperazin-1-yl]-4-hydroxy-N-[1(1S,2R)-2-hydroxyindan-1-yl]pentanamide; C₃₆H₄₇N₅O₄; 150378-17-9

**Indinavir Sulfate** 157810-81-6
Protease inhibitor; antiviral (HIV)
Indoramin (rINN) in dor·ra·min
\(N\text{-}[1\text{-}(2H\text{-Indol}-3\text{-yl}ethy])-4\text{-piperidyl}]\text{benzamide}; C_{22}H_{23}N_3O;\ 26844-12-2

Indoramin Hydrochloride 33124-53-7
Alpha\textsubscript{1}-adrenoceptor antagonist

\[\begin{align*}
\text{HN} & \text{-} \text{N} \\
& \text{O} \text{C}
\end{align*}\]

Infliximab (rINN) in·fliek·si·mab
Immunoglobulin G (human-mouse monoclonal \(\alpha\text{2}\) light chain anti-human tumour necrosis factor), disulfide with human mouse monoclonal \(\alpha\text{2}\) light chain, dimer; 170277-31-3
Monoclonal antibody (TNF \(\alpha\text{f}\a\))

\[\begin{align*}
\text{HN} & \text{-} \text{H} & \text{-} \text{N} \\
& \text{O} & \text{C}
\end{align*}\]

Ingenol Mebutate (rINN) in·je·nol me·bü·tät
(1a\text{R},2\text{S},5\text{R},5\text{aS},6\text{S},8\text{aS},9R,10aR)-5,5a-Dihydroxy-4-(hydroxymethyl)-1,1,7,9-tetramethyl-11-oxo-1a,2,5,5a,6,9,10,10a-octahydro-1\text{H}-2,8a-methanocyclopenta[\text{a}]cyclopropa[\text{e}]\text{[10]}\text{annulen}-6-yl (2\text{Z})-2-methylbut-2-enoate; C_{25}H_{34}O_6; 75567-37-2
Protein kinase \(C\) activator; treatment of actinic keratosis

\[\begin{align*}
\text{HN} & \text{-} \text{H} & \text{-} \text{N} \\
& \text{O} & \text{C}
\end{align*}\]

Inosine Pranobex (INNM) ï·nö·sën pra·nö·beks
Inosine–2-hydroxypropyldimethylammonium 4-acetamido\(\beta\text{-}\)-benzoate (1:3) C_{10}H_{12}N_4O_5\cdot C_{14}H_{22}N_2O_4; 36703-88-5
Antiviral (herpes viruses)

\[\begin{align*}
\text{HN} & \text{-} \text{H} & \text{-} \text{N} \\
& \text{O} & \text{C}
\end{align*}\]

Inositol Nicotinate (rINN) i·nö·si·tol ni·ok·ni·tate
myo-Inositol hexanicotinate; inositol niacinate;
C_{42}H_{30}N_{6}O_{12}; 6556-11-2
Vasodilator

\[\begin{align*}
\text{HN} & \text{-} \text{H} & \text{-} \text{N} \\
& \text{O} & \text{C}
\end{align*}\]

Insulin Aspart (rINN) in sül·lin as·part
[28\text{\textsuperscript{a}}-aspartic acid] insulin (human); 116094-23-6
Hormone; treatment of diabetes mellitus

insulin aspart has the following amino acid sequence:

\[
\begin{align*}
\text{Gly-Ile-Val-Glu-Gln-Cys-Cys-Thr-Ser-Ile-Cys-Ser-Leu-Tyr-Gln-Leu-Glu-Asn-Tyr-Cys-Asn} \\
\text{Phe-Val-Asn-Gln-His-Leu-Cys-Gly-Ser-His-Leu-Val-Glu-Ala-Leu-Tyr-Leu-Val-Cys-Gly-Arg-Gly-Phe-Phe-Tyr-Thr-Asp-Lys-Thr}
\end{align*}
\]

Insulin Degludec (rINN) in sül·lin de·glü·dek
\(N^{\text{\textsuperscript{BAN}}}-\text{[N\text{-}(15\text{-Carboxypentadecanoyl})\text{-}l\text{-}\gamma\text{-glutamyl}]\text{-des-B30\text{-t}-threonine-insulin human; 844439-96-9}
Hormone; treatment of diabetes mellitus

insulin degludec has the following amino acid sequence:

\[
\begin{align*}
\text{Gly-Ile-Val-Glu-Gln-Cys-Cys-Thr-Ser-Ile-Cys-Ser-Leu-Tyr-Gln-Leu-Glu-Asn-Tyr-Cys-Asn} \\
\text{Phe-Val-Asn-Gln-His-Leu-Cys-Gly-Ser-His-Leu-Val-Glu-Ala-Leu-Tyr-Leu-Val-Cys-Gly-Arg-Gly-Phe-Phe-Tyr-Thr-Pro-Lys}
\end{align*}
\]

Inproquone (rINN) see Appendix C

Insulin (BAN) see Biphasic Insulin Injection, Human Insulin, Insulin Zinc Suspension, Insulin Zinc Suspension (Amorphous), Insulin Zinc Suspension (Crystalline), Isophane Insulin and Neutral Insulin Injection

The symbol ‘¬’ in systematic chemical names signifies line continuation
**Insulin Detemir** (rINN)  

Des-3⁰⁻⁰-L-threonine-2⁰⁻⁰-(N⁶-myristoyl-L-lysine human insulin; 169148-63-4  

Hormone; treatment of diabetes mellitus

Insulin detemir has the following amino acid sequence:

- **Chain A**
  - Gly-Ile-Val-Glu-Gln-Cys-Cys-Thr-
  - Ser-Ile-Cys-Ser-Leu-Tyr-Gln-Leu-
  - Glu-Asn-Tyr-Cys-Asn
  
  
  - Phe-Val-Asn-Gln-His-Leu-Cys-Gly-
  - Ser-His-Leu-Val-Glu-Ala-Leu-Tyr-
  - Leu-Val-Cys-Gly-Glu-Arg-Gly-Phe-
  - Phe-Tyr-Thr-Pro-Lys

- **Chain B**

**Insulin Lispro** (rINN)  

28⁻¹⁻¹-L-lysine-2⁰⁻⁰-L-proline human insulin; 133107-64-9  

Hormone; treatment of diabetes mellitus

Insulin lispro has the following amino acid sequence:

- **Chain A**
  - Gly-Ile-Val-Glu-Gln-Cys-Cys-Thr-
  - Ser-Ile-Cys-Ser-Leu-Tyr-Gln-Leu-
  - Glu-Asn-Tyr-Cys-Asn
  
  
  - Phe-Val-Asn-Gln-His-Leu-Cys-Gly-
  - Ser-His-Leu-Val-Glu-Ala-Leu-Tyr-
  - Leu-Val-Cys-Gly-Glu-Arg-Gly-Phe-
  - Phe-Tyr-Thr-Pro-Lys

- **Chain B**

**Insulin Glargine** (rINN)  

2¹⁻⁻¹-Glycine-3⁰⁻⁰-L-arginine-3⁰⁻⁰-L-lysine insulin (human); 160337-95-1  

Hormone; treatment of diabetes mellitus

Insulin glargine has the following amino acid sequence:

- **Chain A**
  - Gly-Ile-Val-Glu-Gln-Cys-Cys-Thr-
  - Ser-Ile-Cys-Ser-Leu-Tyr-Gln-Leu-
  - Glu-Asn-Tyr-Cys-Asn
  
  
  - Phe-Val-Asn-Gln-His-Leu-Cys-Gly-
  - Ser-His-Leu-Val-Glu-Ala-Leu-Tyr-
  - Leu-Val-Cys-Gly-Glu-Arg-Gly-Phe-
  - Phe-Tyr-Thr-Pro-Lys

**Insulin Zinc Suspension (Mixed)** (rINN)  

A sterile, neutral suspension of beef or pork insulin (or a mixture of beef and pork insulin) or of human insulin complexed with a suitable zinc salt  

Hormone; treatment of diabetes mellitus

**Insulin Zinc Suspension (Amorphous)** (rINN)  

A sterile, neutral suspension of beef or pork insulin (or a mixture of beef and pork insulin) complexed with a suitable zinc salt; the insulin is in a form insoluble in water  

Hormone; treatment of diabetes mellitus

**Insulin Zinc Suspension (Crystalline)** (rINN)  

A sterile, neutral suspension of beef or pork insulin (or a mixture of beef and pork insulin) complexed with a suitable zinc salt; the insulin is in the form of crystals insoluble in water  

Hormone; treatment of diabetes mellitus

**Interferon** (BAN)  

Proteins formed by the interaction of animal cells with viruses, capable of conferring on animal cells resistance to virus infection; 9008-11-1  

Cytokine

**Interferon Alfa** (rINN)  

A family of secreted proteins, known previously as leucocyte interferon or lymphoblastoid interferon, that is produced according to the information coded by multiple interferon alfa genes.

Sub-species of the human alfa gene produce protein variants designated by the hyphenated addition of a letter, eg interferon alfa-2, or in the case of a mixture of proteins, by an alphanumeric designation eg n1, n2 etc. The numbers conform with the recommendations of the Interferon Nomenclature Committee; the alphanumeric designations will be assigned by the World Health Organization on request. In the case of interferon alfa-2 the number is qualified according to the amino-acid residues X and Y at positions 23 and 34 in the chain by an arbitrary letter.

For labelling purposes, the name carries, in parenthesis, an approved code, in lower case letters, indicative of the method of production. The following codes are approved, and others will...
be made available on request:

(rbe) produced from bacteria (E. coli) genetically modified by recombinant DNA technology.

(ins) produced from cultured lymphoblasts from the Namalwa cell line that have been stimulated by a Sendai virus.

(bs) produced from leucocytes from human blood that have been stimulated by a Sendai virus.

Cytokine

interferon alfa has the following amino acid sequence:

```
(M) CDLPQTHSLG SRTIMLLAQ MRXISLFSL
KDRHDFGFPQ EEPGNFQXQA ETIPVLHHEMI
QQIFNLFSTK DSSAWDTEL LDKFYTELVQ
QLNDLEACVI OGGTGVEYPL MKEDSILAVR
KYPQMITLYL KEEKYSCPAC EVVRAEMRS
FSLSTNLQES LRSKE
```

The following examples of interferon alfa are recognised:

<table>
<thead>
<tr>
<th>Residue at position</th>
<th>Code</th>
<th>CAS No:</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>Alfa-2a</td>
<td>Lys (K)</td>
<td>His (H)</td>
</tr>
<tr>
<td>Alfa-2b</td>
<td>Arg (R)</td>
<td>His (H)</td>
</tr>
<tr>
<td>Alfa-2c</td>
<td>Arg (R)</td>
<td>Arg (R)</td>
</tr>
<tr>
<td>Alfa-n1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alfa-n2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Interferon Alfacon-1 (rINN) in ter feer ron al fa kon
N-1-Methionyl-22-1-arginine-76-1-alanine-78-1-aspartic acid-79-1-glutamic acid-86-1-tyrosine-90-1-threonine-156-1-asparagine-158-1-leucineinterferon alfa 1 (human lymphoblast reduced); C_29H_136N_23O_259S_9; 118390-30-0

Cytokine

interferon alfacon-1 has the following amino acid sequence:

```
(M) CDLPQTHSLG RRALNLLAQ MRRISPFSCL
KDRHDFGFPQ EEPQNFQXQA QAISVHLHEMI
QQIFNLFSTK DSSAWDTEL LDKFYTELVQ
QLNDLEACVI QGGTGVEYPL MNVDSILAVR
KYPQMITLYL KEEKYSCPAC EVVRAEMRS
FSLSTNLQES LRSKE
```

Interferon Beta (rINN)

A secreted protein, known previously as immune interferon, that is produced according to the information coded by a species of interferon gene. As with interferon alfa, protein variants of interferon gamma have been produced and are differentiated by alphanumeric suffixes. The qualifying terms are designated according to the nature of the termini X and Y at positions 1 and 139 in the chain (see below).

For labelling purposes, the name carries, in parenthesis an approved code, in lower case letters, indicative of the method of production (see under Interferon alfa).

Cytokine

interferon gamma has the following amino acid sequence:

```
X-QDPYVKAEEN LKKNYPNAGHS DVADNGTFL
GILKWKEES DPKIMQSQIV SYFFKLKFNF
KDDQSIQKVSV ETIKEDMNVK FFSNKKRD
DPEFKLTNYSV TDLNVRKQAI HELIQVMAEL
SPAATGTGKR RSGMLFRGR-Y
```

The symbol ‘¬’ in systematic chemical names signifies line continuation
The following examples of interferon gamma are recognised:

<table>
<thead>
<tr>
<th>Interferon Gamma-1a</th>
<th>Interferon Gamma-1b</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terminus X</td>
<td>Cys-Tyr-Cys (CTC)</td>
</tr>
<tr>
<td>Terminus Y</td>
<td>Arg-Ala-Ser-Gln (RASQ)</td>
</tr>
<tr>
<td>CAS Registry No.</td>
<td>98059-18-8</td>
</tr>
<tr>
<td>CAS Registry No.</td>
<td>98059-61-1</td>
</tr>
<tr>
<td>Manufacturing code</td>
<td>Rbe</td>
</tr>
</tbody>
</table>

**Inulin (BAN)**
Polysaccharide granules obtained from the tubers of *Dahlia variabelis*, *Helvantus tuberosus* and other genera of the family Compositae.
Diagnostic agent used in the determination of renal function (glomerular filtration rate).

**Iobenzamic Acid** (rINN) \(\text{\textregistered} \)-benzamik
\(N\)-(3-Amino-2,4,6-tri-iodobenzoyl)-N-phenyl-\(\beta\)-alanine;
\(C_{16}H_{13}N_2O_3\); 3115-05-7
Iodinated X-ray contrast medium

**Iobitridol** (rINN) \(\text{\textregistered} \)-bi-tridol
\(N,N´\)-(Adipoyldiamino)bis(2,4,6-tri-iodo-N,N´-dimethylisophthalamic acid);
\(C_{24}H_{20}I_6N_4O_8\); 10397-75-8
Iodinated X-ray contrast medium

**Iocarmic Acid** (rINN) \(\text{\textregistered} \)-kar-mik
5,5´-(Adipoyldiamino)bis(2,4,6-tri-iodo-N-methylisophthalamic acid);
\(C_{24}H_{24}I_6N_4O_6\); 10397-75-8
Iodinated X-ray contrast medium

**Iodamide** (rINN) \(\text{\textregistered} \)-da mid
\(\alpha,5\)-Diacetamido-2,4,6-tri-iodo-\(\beta\)-toluic acid;
\(C_{12}H_{11}I_3N_2O_2\);
440-58-4
Iodinated X-ray contrast medium

**Iodinated Glycerol** (BAN)
A mixture of iodinated dimers of glycerol
Expectorant

**Iodipamide** see Adipiodone

**Iodixanol** (rINN) \(\text{\textregistered} \)-diks-nol
\(rac\)-\(N,N´,N´\,-\(N´\)-Tetrakis(2,3-dihydroxypropyl)-2,2´,4,4´,6,6´-hexaiodo-5,5´-[2-hydroxytrimethylenebis(acetylimino)]di-isothalamide;
\(C_{35}H_{44}I_6N_6O_{15}\); 92339-11-2
Iodinated X-ray contrast medium

**Iodofenphos** (BAN) \(\text{\textregistered} \)-dó-fen fos
\(O,(2,5\text{-Dichloro}-4\text{-iodophenyl}) O,O\text{-dimethylphosphorothioato}\)
thioate;
\(C_{19}H_{16}Cl_{10}O_6PS\); 18181-70-9
Acaricide; insecticide
Iodothiouracil (rINN) ɪə-do-thī-ô-ür-raj
(1) 2,3-Dihydro-5-ido-2-thioxopyrimidin-4(1H)-one;
(2) 5-Iodo-2-thiouracil; C₅H₃IN₂OS; 5984-97-4
Antithyroid drug

Iodoxamic Acid (rINN) ɪə-doks-a-mik
3,3’-(4,7,10,13-Tetraoxahexadecanediyl)bis(2,4,6-triiodobenzoic acid); C₂₆H₂₆I₆N₂O₁₀; 31127-82-9
Meglumine Iodoxamate 51764-33-1
Iodinated X-ray contrast medium

Iofendylate (rINN) ɪə-fen-di-lät
Ethyl (RS)-10-(4-iodophenyl)undecanoate; C₁₉H₂₉IO₂; 99-79-6
Iodinated X-ray contrast medium

Ioflupane[¹²³I] (rINN) ɪə-floo-pän
(1R,2R,3R,5S)-8-(1-fluoropropyl)-3-(4-[¹²³I]iodophenyl)-8-azabicyclo[3.2.1]octane-2-carboxylate; C₁₈H₂₃F₁₂INO₂; 155798-07-5
Diagnostic imaging radiopharmaceutical

Ioglycamic Acid (rINN) ɪə-gli-ka-mik
3,3’-[Oxybis(methylene carbonylimino)]bis(2,4,6-triiodobenzoic acid); C₁₈H₁₇INO₄; 2618-25-9
Meglumine Ioglycamate 14317-18-1
Iodinated X-ray contrast medium

Ioglicic Acid (rINN) ɪə-glï-sik
5-Acetamido-2,4,6-tri-iodo-N-[methylcarbamoyl]isophthalamic acid; C₁₃H₁₂I₃N₃O₅; 49755-67-1
Iodinated X-ray contrast medium

Ioglycamic Acid (rINN) ɪə-gli-ka-mik
3,3’-[Oxybis(methylene carbonylimino)]bis(2,4,6-triiodobenzoic acid); C₁₈H₁₇INO₄; 2618-25-9
Meglumine Ioglycamate 14317-18-1
Iodinated X-ray contrast medium

Iomeprol (rINN) ɪə-o-mep-rol
N,N’-Bis(2,3-dihydroxypropyl)-2,4,6-tri-iodo-5-(N-methylglycyl)amidoisophthalamide; C₁₇H₂₁INO₅; 78649-41-9
Iodinated X-ray contrast medium

Iopamidol (rINN) ɪə-pa-mi-dol
(S)-N,N’-[Bis[2-hydroxy-1-(hydroxymethyl)ethyl]-2,4,6-triiodo-5-lactamidoisophthalamide; C₁₇H₂₁INO₅; 60166-93-0
Iodinated X-ray contrast medium

Iopanoic Acid (rINN) ɪə-pa-nö-ik
(RS)-2-(3-Amino-2,4,6-triiodobenzyl)butyric acid; C₁₇H₁₆I₂NO₅; 96-83-1
Iodinated X-ray contrast medium

The symbol “¬” in systematic chemical names signifies line continuation
Iopentol (rINN) i-o-pen-tol
N,N'-Bis[2,3-dihydroxypropyl]-5-[N-(2-hydroxy-3-methoxypropyl)acetamido]-2,4,6-tri-iodoisophthalamide; C₂₀H₂₈I₃N₃O₉; 89797-00-2
Iodinated X-ray contrast medium

Iotroxal (rINN) i-o-trox-al
5-Acetamido-2,4,6-tri-iodo-N-methylisophthalamic acid; C₁₅H₁₈I₃N₂O₈;
Meglumine Iotalamate 13087-53-1
Sodium Iotalamate 17692-74-9
Iodinated X-ray contrast medium

Ioversol (rINN) i-o-ver-sol
N,N'-Bis[2,3-dihydroxypropyl]-5-[N-(2-hydroxyethyl)glycollamido]-2,4,6-tri-iodoisophthalamide; C₁₈H₂₄I₃N₃O₉; 87771-40-2
Iodinated X-ray contrast medium
Ioxaglic Acid  (rINN)  i·oks·a·glik  
N-(2-Hydroxyethyl)-2,4,6-tri-iodo-5-[2`,4`,6`-tri-iodo-3`-(N-methylacetamido)-5`-methylcarbamoyl]hippuramido]iso-phthalamic acid; C_{24}H_{21}I_{6}N_{5}O_{8}; 59017-64-0

Meglumine Ioxaglate  59018-13-2

Sodium Ioxaglate  67992-58-9

Iodinated X-ray contrast medium

Ipilimumab  (rINN)  i·pi·lim·ü·mab
Immunoglobulin G1, anti-(human CTLA-4 (antigen)) (human γ1-chain), disulfide with human κ-chain, dimer; 477202-00-9
Monoclonal antibody (cytotoxic T lymphocyte-associated antigen 4, CTLA4); treatment of metastatic melanoma

Ipilimumab has the following amino acid sequence:

γ1-Chain

γ1-Chain

κ-Chain

Ipratropium Bromide  (rINN)  i·pra·trö·pë·um  
(1R,3r,55,8r)-8-Isopropyl-3-(±)-tropoylxytropanium bromide; C_{20}H_{25}BrNO; 22254-24-6

Anticholinergic (antimuscarinic) bronchodilator

Iprindole  (rINN)  i·prin·dôl
5-(3-Dimethylaminopropyl)-6,7,8,9,10,11-hexahydrocyclo-oct[b]indole; C_{19}H_{32}N_{2}; 5560-72-5

Iprindole Hydrochloride  20432-64-8

Monoamine reuptake inhibitor; tricyclic antidepressant

Iprindole

Ipranoloid (rINN)  i·prö·nö·li·oid  
2-(4-Chlorophenoxy)-2-isopropylacetohydrazide; C_{11}H_{15}ClN_{2}O_{2}; 3544-35-2

Monoamine oxidase inhibitor; antidepressant

Iproniazid Phosphate  305-33-9

Monoamine oxidase inhibitor; antidepressant

Iproniazid

Iproniazid  (rINN)  i·prö·nï·a·zid
2´-Isopropylisonicotinohydrazide; C_{9}H_{13}N_{3}O; 54-92-2

Iproniazid Phosphate

Iproniazid

Ipronidazole  (rINN)  i·prö·ni·da·zôl
2-Isopropyl-1-methyl-5-nitroimidazole; C_{7}H_{11}N_{3}O_{2}; 14885-29-1

Antiprotozoal

Ipronidazole

The symbol ‘¬’ in systematic chemical names signifies line continuation.
Iproplatin (rINN) iprö· pla· tin
(OC-6-33)-Dichlorodihydroxybis(isopropylamine)platinum; 
C\textsubscript{6}H\textsubscript{20}Cl\textsubscript{2}N\textsubscript{2}O\textsubscript{2}Pt; 62928-11-4
Platinum-containing antineoplastic

Ipsalazide (rINN) ip· sa· la· zïd
4’-([3-Carboxy-4-hydroxyphenylazo]hippuric acid; C\textsubscript{16}H\textsubscript{13}N\textsubscript{3}O\textsubscript{6}; 80573-03-1
Ipsalazide Sodium
Aminosalicylate; treatment of ulcerative colitis

Ipsapirone (rINN) ip· sa· pir· rön
2-\{4-[4-(Pyrimidin-2-yl)piperazin-1-yl]butyl\}-1,2-benzo- thiazol-3(2\textsubscript{H})-one 1,1-dioxide; C\textsubscript{19}H\textsubscript{23}N\textsubscript{5}O\textsubscript{3}S; 95847-70-4
Ipsapirone Hydrochloride 92589-98-5
Anxiolytic

Irbesartan (rINN) er· be· sar· tan
2-Butyl-3-\{4-\{1H-tetrazol-5-yl\}piperazin-1-yl\}butyl]-1,3- diazaspiron[4,4]ison-1-en-4-one; C\textsubscript{12}H\textsubscript{18}N\textsubscript{4}O; 138402-11-6
Angiotensin II (AT\textsubscript{1} ) receptor antagonist

Irinotecan (rINN) i·ri·nö· kan
(S)-4,11-Diethyl-3,4,12,14-tetrahydro-4-hydroxy-3,14- dioxo-1H-pyrano[3,4-c,4'-5,7]indolizinol[1,2-b]quinolin-9-yl [1,4’- bippiperidin]-1’-carboxylate; C\textsubscript{22}H\textsubscript{30}N\textsubscript{4}O\textsubscript{2}; 97682-44-5
Irinotecan Hydrochloride 136572-09-3 (trihydrate)
Inhibitor of DNA topoisomerase type I; antineoplastic

Iron Isomaltoside 1000 (BAN) ĭr· on ĭ sō· malt· ō· sīd
A complex of iron(iii) and isomaltosides derived from the low molecular weight dextran fraction dextran 1; 1370654-58-2
Treatment of iron-deficiency anaemia

Iron Sucrose (BAN) ĭr· on sū· kròs
A complex of iron(iii) hydroxide with sucrose containing traces of sodium chloride and sodium hydroxide corresponding approximately to the formula: 
\[
\left[\text{Na}_{0.46}\text{[FeO}_{1.6}(\text{OH})_{0.26}\text{(H}_2\text{O})_{0.54}\text{]}_n\right] + 0.18\text{NaOH} + 0.02\text{NaCl}, (n = 43) \text{ mol. wt., } 43,200 \text{ approx}; \text{iron(iii) hydroxide–sucrose complex}; \text{saccharated iron oxide}; 8047-67-4
Treatment of iron-deficiency anaemia

Irtemazole (rINN) ĭr· te· ma· zôl
(RS)-5-(a-Imidazol-1-ylbenzyl)-2-methylbenzimidazole; 
C\textsubscript{2}H\textsubscript{14}N\textsubscript{2}; 115574-30-6
Uricosuric agent

Isamoxole (rINN) see Appendix C

Isatoribine (rINN) ĭ· sa· tor· ri· bēn
5-Amino-3-{(α-D-ribofuranosyl)[1,3]thiazolo[4,5-d]pyrimidine- 2,7(3\textsubscript{H},6\textsubscript{H})-dione; C\textsubscript{16}H\textsubscript{16}N\textsubscript{4}O\textsubscript{2}; 122970-40-5
Immunomodulator

Isepamicin (rINN) ĭ· se· pa· mí· sin
4-O-(6-Amino-6-deoxy-a-0-glucopyranosyl)-1-N-(3-amino- l-lactoyl)-2-deoxy-6-O-(3-deoxy-4-C-methyl-3-methylamino- \beta-L-arabinopyranosyl)-d-streptamine; C\textsubscript{2}H\textsubscript{36}N\textsubscript{5}O\textsubscript{12}; 58152-03-7
Aminoglycoside antibacterial
Isoaminile (rINN) \(\text{碘普胺} \)·NIL
4-Dimethylamino-2-isopropyl-2-phenylpentanitrile; C\(_{16}\)H\(_{24}\)N\(_2\); 77-51-0
**Isoaminile Citrate** 126-10-3
Cough suppressant

Isoflurane (rINN) \(\text{ISO氟烷} \)
2-Chloro-2-difluromethoxy-1,1,1-trifluoroethane; C\(_3\)H\(_2\)ClF\(_5\)O; 26675-46-7
General anaesthetic

Isoflupredone (rINN) \(\text{ISO氟泼龙} \)
(1) 9\(\alpha\)-Fluoro-11\(\beta\),17\(\alpha\),21-trihydroxypregna-1,4-diene-3,20-dione; (2) 9\(\alpha\)-Fluoroprednisolone; C\(_{21}\)H\(_{27}\)FO\(_5\); 338-95-4
**Isoflupredone Acetate** 338-98-7
Glucocorticoid

Isobuzole see Glysobuzole

Isocarboxazid (rINN) \(\text{ISO卡巴色喃} \)
2'-Benzyl-5-methyl-1,2-oxazole-3-carbohydrazide; C\(_{12}\)H\(_{13}\)N\(_3\)O\(_2\); 59-63-2
Monoamine oxidase inhibitor; antidepressant

Isoconazole (rINN) \(\text{ISO康唑} \)
(RS)-1-[2,4-Dichloro-b-(2,6-dichlorobenzyloxy)phenethyl]-8-(3-m-Amidinophenyl-1-triazeno)-3-amino-5-ethyl-6-phenyl phenanthridinium chloride; C\(_{28}\)H\(_{26}\)ClN\(_7\); 34301-55-8
Antiprotozoal

Isodabac (rINN) \(\text{ISO达巴卡} \)
N-(25)-Carboxamido-25-oxo-25-methyl-25-phenyl-25-chloro-25-indan-1-one; C\(_{25}\)H\(_{21}\)ClN\(_3\)O; 36947-20-1
Antiprotozoal

Isoleucine (rINN) \(\text{ISO赖氨酸} \)
1-Isoleucine; (2S,3S)-2-Amino-3-methylpentanoic acid; C\(_6\)H\(_{13}\)NO\(_2\); 73-32-5;
Amino acid

Isomalt (BAN) \(\text{ISO木糖醇} \)
A mixture of equal parts of 6-O-(α-D-glucopyranosyl)-α-D-glucitol and 1-O-(α-D-glucopyranosyl)-β-D-mannitol
Sweetening agent

Isometamidium Chloride (rINN) \(\text{ISO甲酰三甲基氮芥} \)
8-(3-m-Amidinophenyl-1-triazeno)-3-amino-5-ethyl-6-phenyl phenanthridinium chloride; C\(_{29}\)H\(_{25}\)N\(_7\); 62304-53-1
Antiprotozoal

Isometamidium Nitrate (rINN) \(\text{ISO甲酰三甲基氮芥} \)
8-(3-m-Amidinophenyl-1-triazeno)-3-amino-5-ethyl-6-phenyl phenanthridinium chloride; C\(_{29}\)H\(_{25}\)N\(_7\); 62304-53-1
Antiprotozoal

Isoniazid (rINN) \(\text{ISO异烟肼} \)
2-Hydroxy-1-phenyl-1,2-dihydro-1,2,4-triazole; C\(_9\)H\(_6\)N\(_2\); 552-89-5
Antitubercular

Isoetarine (rINN) see Appendix C

Isopropylamine (rINN) \(\text{ISO异丙基胺} \)
Isopropylamine; C\(_3\)H\(_7\)N; 78-74-7
Amine

Isopropylamine HCl (rINN) \(\text{ISO异丙基胺} \)
Isopropylamine hydrochloride; C\(_3\)H\(_7\)N.HCl; 576-24-9
Amine

Isoprenaline (rINN) \(\text{ISO异丙肾上腺素} \)
1-Isopropyl-3,5-dihydroxy-4-oxo-2(3H)-pyridine carboxylic acid; C\(_9\)H\(_8\)NO\(_3\); 50-65-0
β-Adrenoceptor agonist; β1- and β2-receptor stimulant; β2-receptor antagonist

Isopersol (rINN) \(\text{ISO异丙托溴铵} \)
Isopropyl N-methyl-N-(2,3-dipropylaminoethyl)brucine; C\(_{22}\)H\(_{31}\)N\(_4\)O\(_2\); 16962-41-6
Muscarinic receptor antagonist

Isoprotropium Bromide (rINN) \(\text{ISO异丙托溴铵} \)
Isopropyl N-methyl-N-(2,3-dipropylaminoethyl)brucine; C\(_{22}\)H\(_{31}\)N\(_4\)O\(_2\); 16962-41-6
Muscarinic receptor antagonist

Isoptine (rINN) \(\text{ISO异丙托品} \)
N,N-Diethyl-N-(3-ethyl-4,6-dimethylphenyl)-2,6-pyrazine-4-carboxamide; C\(_{20}\)H\(_{20}\)N\(_4\)O; 97-01-7
β-Adrenoceptor agonist; β1- and β2-receptor stimulant; β2-receptor antagonist

Isoprostanes see Prostanooids

Isopropylamine HCl (rINN) \(\text{ISO异丙基胺} \)
Isopropylamine hydrochloride; C\(_3\)H\(_7\)N.HCl; 576-24-9
Amine

Isopropylamine HCl (rINN) \(\text{ISO异丙基胺} \)
Isopropylamine hydrochloride; C\(_3\)H\(_7\)N.HCl; 576-24-9
Amine

Isopropylamine HCl (rINN) \(\text{ISO异丙基胺} \)
Isopropylamine hydrochloride; C\(_3\)H\(_7\)N.HCl; 576-24-9
Amine

Isopropylamine HCl (rINN) \(\text{ISO异丙基胺} \)
Isopropylamine hydrochloride; C\(_3\)H\(_7\)N.HCl; 576-24-9
Amine

The symbol ‘¬’ in systematic chemical names signifies line continuation
Isometheptene (rINN) ı·sö·mē·thep·tēn
(RS)-1,5-Dimethylhex-4-enyl(methyl)amine; C₈H₁₉N; 503-01-5
• Isometheptene Mucate
  Adrenoceptor agonist

Isometheptene Mucate Mucous membrane decongestant

• Isoniazid (rINN) ı·sö·nī·a·zid
  Isonicotinohydrazide; C₆H₇N₃O; 54-85-3
  Antituberculosis drug

Isoniazid Isonicotinohydrazide

• Isophane Insulin (rINN)
  A buffered suspension of insulin with the isophanic equivalent of protamine and zinc chloride; isophane insulin (NPH)
  Hormone; treatment of diabetes mellitus

Isophane Insulin Hormone: treatment of diabetes mellitus

Isoprenaline (rINN) ı·sö·pre·na·lēn
(RS)-1-(3,4-Dihydroxyphenyl)-2-isopropylaminoethanol; C₁₁H₁₇NO₃; 7683-59-2
• Isoprenaline Hydrochloride
  Isoproterenol hydrochloride; 51-30-9
  Adrenoceptor agonist

Isoprenaline Hydrochloride

Isoprenaline Sulfate 6700-39-6; (dihydrate); 299-93-6 (anhydrous)
• Isoprenaline Sulfate
  Adrenoceptor agonist

Isoprenaline Sulfate

Isopredniadene (rINN) ı·sö·prō·nē·denē
1β,17α,21-Trihydroxy-16-methylenepregn-4,6-diene-3,20-dione; C₂₃H₃₇O₂; 17332-61-5
Corticotropin inhibitor

Isopredniadene Corticotropin inhibitor

Isotretinoin (rINN) ı·sö·tre·ti·nō·in
(1) (13Z)-15-Apo-β-caroten-15-oic acid; (2) (2Z,4E,6E,8E)-3,7-dimethyl-9-(2,6,6-trimethylcyclohex-1-enyl)nona-2,4,6,8-tetraenoic acid; (3) 13-cis-Retinoic acid; C₂₀H₂₈O₂; 4759-48-2
Vitamin A analogue (retinoid); treatment of acne

Isotretinoin Vitamin A analogue (retinoid); treatment of acne
Isoxepac (rINN) ð soks ê pak
6,11-Dihydro-11-oxodibenzo[b,e]oxepin-2-ylacetic acid; C₁₆H₁₂O₄; 55453-82-7
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Isoxicam (rINN) ð soks ê kam
4-Hydroxy-2-methyl-N-(5-methyl-1,2-oxazol-3-yl)-2H-1,2-benzo-thiazine-3-carboxamide 1,1-dioxide; C₁₄H₁₃N₃O₅S; 34552-84-6
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Isoxsuprine (rINN) ð soks û prën
(1RS,2SR)-1-(4-Hydroxyphenyl)-2-[(1SR)-1-methyl-2-phenoxyethylamino]propan-1-ol; C₁₉H₂₃NO₃; 395-28-8
 Isoxsuprine Hydrochloride 579-56-6
Beta₂-adrenoceptor agonist

Isradipine (rINN) ð rsadipën
(RS)-Isopropyl methyl 4-(2,1,3-benzoxadiazol-4-yl)-1,4-dihydro-2,6-dimethylpyridine-3,5-dicarboxylate; C₁₉H₂₁N₃O₅; 75695-93-1
Calcium channel blocker

Itramin Tosilate (rINN) ð tra min tô s ilåt
2-Nitroethylammonium p-toluenesulfonate; C₁₂H₁₃N₂O₃; 13445-63-1
Nitric oxide analogue; treatment of angina pectoris

Itramin Tosilate Itramin Tosilate (rINN) ð tra min tô s ilåt
2-Nitroethylammonium p-toluenesulfonate; C₁₂H₁₃N₂O₃; 13445-63-1
Nitric oxide analogue; treatment of angina pectoris

Ivabradine (rINN) ð wr bra dën
3-[3-[(7S)-3,4-Dimethoxybicyclo[4.2.0]octa-1,3,5-trien-7-yl]methyl]methylamino]propyl]-7,8-dimethoxy-1,3,4,5-tetrahydro-2H-3-benzazepin-2-one; C₁₇H₁₉N₂O₅; 155974-00-8; Ivabradine Hydrochloride 148849-67-6
Inhibitor of cardiac If channels; treatment of angina pectoris

Ivacaftor (rINN) ð vá caf tor
N-(2,4-Di-tert-butyl-5-hydroxyphenyl)-4-oxo-1,4-dihydroquinoline-3-carboxamide; C₂₄H₂₃ClN₂O₄; 873054-44-5
CFTR (cystic fibrosis transmembrane conductance regulator) channel activator; treatment of cystic fibrosis

The symbol ‘¬’ in systematic chemical names signifies line continuation
Ivermectin (rINN) i·ver·mek·tin
A mixture of ivermectin components B1a and B1b; 70288-86-7
Component B1b: as described above replacing ‘6´-[(S)-sec-Butyl]’ by ‘6´-isopropyl’ inserted after ‘21,24-dihydroxy-’; 70209-81-3
Antihelminthic (veterinary)

Josamycin (rINN) jö·sa·mi·sin
(4R,5S,6S,7R,9R,10R,11E,13E,16R)-4-(Acetoxy)-6-{(3,6-dideoxy-4-O-[2,6-dideoxy-3-C-methyl-4-O-(3-methylbutanoyl)-α-L-ribo-hexopyranosyl]-3-(dimethylamino)-β-D-glucopyranosyl]oxy)-10-hydroxy-5-methoxy-9,16-dimethyl-7-(2-oxoethyl)oxacyclohexadeca-11,13-dien-2-one; C_{42}H_{69}NO_{15}; 56689-45-3
Josamycin Propionate 40922-77-8
Antibacterial

Kanamycin (rINN) kä·na·mi·sin
An antimicrobial base produced by Streptomyces kanamyceticus; 6-O-β-(3-amino-3-deoxy-α-D-glucopyranosyl)-4-O-β-(6-amino-6-deoxy-α-D-glucopyranosyl)-2-deoxy-β-D-glucosamine; kanamycin A; C_{19}H_{30}N_{4}O_{11}; 59-01-8;
Kanamycin Sulfate 25389-94-0
Kanamycin Acid Sulfate Aminoglycoside antibacterial

Ketamine (rINN) kê·ta·mën
2-(2-Chlorophenyl)-2-methylaminocyclohexane; C_{13}H_{21}CINO; 4740-88-1
Ketamine Hydrochloride 1867-66-9
Intravenous general anaesthetic

Ketanserin (rINN) kë·tan·se·rin
3-{2-[4-(4-Fluorobenzoyl)piperidino]ethyl}quinazoline-2,4(1H,3H)dione; C_{22}H_{22}FN_{3}O_{3}; 74050-98-9; R41468
Ketanserin Tartrate R49945
Serotonin 5HT_{2a} receptor antagonist

Ketazolam (rINN) see Appendix C

Kallidinogenase (rINN) ka·li·di·no·ge·næs
An enzyme that splits the kinin, kallidin, from kininogen; 9001-01-8
Kininogen converting enzyme

Ketobemidone (rINN) ké·tö·be·mi·dön
1-(4-m-Hydroxyphenyl)-1-methyl-4(piperidyl)propan-1-one; cetobemidone (rINN); C_{17}H_{21}NO_{4}; 469-79-4
Ketobemidone Hydrochloride Opioid receptor agonist; analgesic
Ketoconazole (rINN) ké·tö kon·a·zól
1-Acetyl-4-{4-[2-(2,4-dichlorophenyl)-2-((1H-imidazol-1-ylmethyl)-1,3-dioxolan-4-ylmethoxy)phenyl]piperazine; C_{26}H_{28}Cl_{2}N_{4}O_{4}; 65277-42-1
Antifungal

Ketoprofen (rINN) ké·tö pro·fen
2-(3-Benzoylphenyl)propionic acid; C_{16}H_{14}O_{3}; 22071-15-4
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Ketorolac (rINN) ké·to·rölak
(RS)-5-Benzoyl-2,3-dihydro-1H-pyrrolizine-1-carboxylic acid; C_{15}H_{13}NO_{3}; 74103-06-3
- Ketorolac Trometamol ketorolac tromethamine; 74103-07-4
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Ketotifen (rINN) ké·tö·ti·fen
4-[(1-Methylpiperidin-4-ylidene)-4H-benzo[4,5]cyclohepta[1,2-b]thiophen-10(9H)-one; C_{19}H_{19}NO_{3}; 34580-13-7
- Ketotifen Fumarate 34580-14-8
Histamine H_{1} receptor antagonist

Kitasamycin (rINN) ki·tä·sa·mi·sin
An antibiotic produced by Streptomyces kitasatoensis; it consists mainly of kitasamycins A_{4} and A_{5}; leucomycin; 1392-21-8

- Kitasamycin A_{4}; (10\text{E}, 12\text{E})-(3\text{R}, 4\text{R}, 5\text{S}, 6\text{R}, 8\text{R}, 9\text{R}, 15\text{R})-3-Acetoxy-5-{4-O-[4-O-butyryl-2,6-dideoxy-3-C-methyl-\alpha-L-ribo-hexopyranosyl]-3,6-dideoxy-3-dimethylamino-\beta-D-glucopyranosyloxy]-6-formylmethyl-9-hydroxy-4-methoxy-8-methylhexadeca-10,12-dien-15-olide; C_{39}H_{67}NO_{15}; 18361-45-0
Antibacterial (veterinary)

- Kitasamycin A_{5}; (10\text{E}, 12\text{E})-(3\text{R}, 4\text{R}, 5\text{S}, 6\text{R}, 8\text{R}, 9\text{R}, 15\text{R})-5-{4-O-[4-O-butyryl-2,6-dideoxy-3-C-methyl-\alpha-L-ribo-hexo-\beta-L-rhamnopyranosyl]-3,6-dideoxy-3-dimethylamino-\beta-D-glucopyranosyloxy]-6-formylmethyl-3,9-dihydroxy-4-methoxy-8-methylhexadeca-10,12-dien-15-olide; C_{39}H_{65}NO_{14}; 18361-45-0

Labetalol (rINN) la·be·ta·lol
2-Hydroxy-5-[1-hydroxy-2-(1-methyl-3-phenylpropylamino)ethyl]benzamide; C_{19}H_{24}N_{2}O_{3}; 36894-69-6
- Labetalol Hydrochloride 32780-64-6
Alpha- and beta-adrenoceptor antagonist

Lachesine Chloride (rINN) see Appendix C

- Lacidipine (rINN) la·si·di·pën
Diethyl (E)-4-[2-[(tert-butoxycarbonyl)vinyl]phenyl]-1,4-dihydro-2,6-dimethylpyridine-3,5-dicarboxylate; C_{26}H_{33}NO_{6}; 103890-78-4
Calcium channel blocker
Lactitol (rINN) lak-ti-tol
4-O-(β-D-Galactopyranosyl)-β-glucitol; C₁₂H₂₂O₁₁; 585-86-4
Osmotic laxative

Lactulose (rINN) lak-tu-lös
4-O-(β-D-Galactopyranosyl)-α-fructosyl; C₁₂H₂₂O₁₁; 4618-18-2
Osmotic laxative

Lactosamide (rINN) la-kō-sa-mīd
(2R,2′)-(Acetamido)-N-benzyl-3-methoxypropanamide;
C₁₉H₁₈N₂O₆; 175481-36-4;
Antiepileptic

Lamivudine (rINN) la-mi-vūˈdi-nē
(1) 4-Amino-1-[(2R,5S)-2-hydroxymethyl-1,3-oxathiazol-5-yl]pyrimidine-2(1H)-one; (2) 1-[(2R,5S)-2-Hydroxymethyl-1,3-oxathiazol-5-yl]cytosine; C₇H₁₁N₂O₅S; 134678-17-4
Nucleoside reverse transcriptase inhibitor; antiviral (HIV)

Lamotrigine (rINN) la-mō-tri-jēn
6-(2,3-Dichlorophenyl)-1,2,4-triazine-3,5-diyldiamine;
C₁₂H₁₁CIN₂; 84057-84-1
Antiepileptic

Lamtidine (rINN) lam-ti-dēn
3-Amino-1-methyl-1H-1,2,4-triazol-5-yl[3-(α-piperidino-m-tolyloxy)propyl]amine; C₁₈H₂₈N₆O; 73278-54-3
Histamine H₂ receptor antagonist

Lanatoside C (rINN) see Appendix C

Lanproston (rINN) see Appendix C

Lanreotide (rINN) lan-rē-oˈtēd
S, S'-Cyclo[3-(2-naphthyl)-p-analanyl-l-cysteinyl-l-tyrosyl-o-tryptophyl-l-lysyl-l-valyl-l-cysteinyl-l-threonaminamide];
C₂₅H₃₆N₁₀O₁₅S₂; 108736-35-2; 27984-74-1
Somatostatin analogue; treatment of neuroendocrine tumours and acromegaly
Lansoprazole (rINN) lan·so·pra·zôl
2-((3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridyl)methyl)sulfinylbenzimidazole; C_{16}H_{14}F_{3}N_{3}O_{2}S; 103577-45-3
Proton pump inhibitor; treatment of peptic ulcer disease

Lapatinib (rINN) la·pa·tin·ib
N-{3-Chloro-4-[3-fluorophenyl)methoxy]phenyl}-6-{5-[[2-(methylsulfonyl)ethyl]amino]methyl}furan-2-yl]quinazolin-4-amine; C_{29}H_{26}ClFN_{4}O_{4}S; 231277-92-2
Tyrosine kinase inhibitor (HER2) receptors; treatment of breast carcinoma

Lapisteride (rINN) la·pis·ter·rîd
N-[1-(4-Methoxyphenyl)-1-methylethyl]-3-oxo-4-aza-androst-1-ene-17b-carboxamide; C_{29}H_{40}N_{2}O_{3}; 231277-92-2
5-Alpha reductase inhibitor; treatment of benign prostatic hyperplasia

Laropiprant (rINN) la·rō·pi·prânt
{(3R)-4-[(4-Chlorophenyl)methyl]-7-fluoro-5-(methanesulfonyl)-1,2,3,4-tetrahydrocyclopenta[b]indol-3-yl]acetic acid; C_{29}H_{26}ClFNO_{2}S; 571170-77-9
Prostaglandin D_{1} receptor D_{P1} antagonist; reduction of niacin-induced adverse effects in the management of hyperlipidaemias

Lasalocid (rINN) la·sal·ö·sid
6-[(3R,4S,5S,7R)-7-[(2S,3S,5S)-5-Ethyl-5-[(2R,5R,6S)-5-ethyltetrahydro-5-hydroxy-6-methyl-2H-pyran-2-yl]tetrahydro-3-methyl-2-furyl]4-hydroxy-3,5-dimethyl-6-oxononyl]-2-hydroxy-m-toluic acid; C_{33}H_{34}O_{6}; 25999-31-9
Lasalocid Sodium
Antiprotozoal

Lasofoxifene (rINN) la·sö·fox·i·fèn
(5R,6S)-6-Phenyl-5-[[4-[[2-(pyrrolidin-1-yl)ethoxy]phenyl]-5,6,7,8-tetrahydronaphthalen-2-yl]carbamoyl]furfuryl]-2-oxoquinoline; C_{29}H_{28}ClFNO_{2}; 180916-16-9;
Lasofoxifene Tartrate
Selective estrogen receptor modulator; treatment of osteoporosis

Latamoxef (rINN) see Appendix C

Laudexium Metilsulfate (rINN) see Appendix C

Laurolinium Acetate (rINN) see Appendix C

The symbol ‘¬’ in systematic chemical names signifies line continuation
• Lauromacrogol (rINN) lor ro·ma·krō·go1
A mixture of monolauryl ethers of polyoxyethylene glycols having a statistical average of 8 ethylene oxide groups per molecule; 9015-55-8
Non-ionic surfactant

Lavoltidine (rINN) see Appendix C

Lazabemide (rINN) la·za·be·mid
N-(2-Aminoethyl)-5-chloropyridine-2-carboxamide;
C₇H₈ClN₃O; 10387-84-8
Monoamine oxidase type B inhibitor; treatment of Parkinson’s disease

Leflunomide (rINN) le·flo·no·mid
α,α,α-Trifluoro-5-methyl-1,2-isoxazol-4-ylcarboxo-p-toluidide;
C₁₂H₉F₃N₂O₂; 75706-12-6
Immunomodulator

Lenalidomide (rINN) le·na·lid·ö·mid
(3RS)-3-(4-Amino-1-oxo-1,3-dihydro-2H-isooindol-2-yl)piperidine-2,6-dione; C₁₃H₁₃N₃O₃; 191732-72-6
Immunomodulatory and antiangiogenic; treatment of haematological disorders

Lenograstim (rINN) le·nö·gra·stim
Recombinant human granulocyte colony stimulating factor (glycosylated) expressed by a transformed Chinese hamster ovary cell line; (non-glycosylated protein); 62683-29-8
Recombinant human granulocyte colony-stimulating factor

For labelling purposes, the following three-letter code, to indicate the method of production, is approved: (rch) produced from genetically engineered Chinese hamster ovary cells

lenograstim has the following amino acid sequence:

Leprudin (rINN) le·pi·roo·din
1-l-Leucine-2-l-threonine-63-desulfihirudin (Hirudo medicinalis isoform HV1); 138068-37-8
Direct thrombin inhibitor; anticoagulant

leprudin has the following amino acid sequence:
Lercanidipine (rINN) ler·ka·ni·di·pën
(rS)-2-[3,3-Diphenylpropyl(methyl)amino]-1,1-dimethyl ethyl methyl 1,4-dihydro-2,6-dimethyl-4-(3-nitropheno pyridine-3,5-dicarboxylate; C_{36}H_{41}N_3O_6; 100427-26-7
Lercanidipine Hydrochloride 132866-11-6
Calcium channel blocker

Levamisole (rINN) lev·am·i·sôl
(S)-2,3,5,6-Tetrahydro-6-phenylimidazo[2,1-b][1,3]thiazole; C_{11}H_{12}N_2S; 14769-73-4
Levamisole Hydrochloride 16595-80-5
Immunostimulant; antihelmintic

Leucine (rINN) loo·sên
(S)-2-Amino-4-methylpentanoic acid; l-Leucine; C_6H_{13}NO_2; 61-90-5;
Amino acid

Leuprorelin (rINN) loo·prö·rë·lin
C_{59}H_{84}N_{16}O_{12}; 53714-56-0
Leuprorelin Acetate leuprolide acetate; 74381-53-6
Gonadotropin releasing hormone (gonadorelin) analogue; treatment of prostate cancer

Levetiracetam (rINN) lev·e·ti·ra·së·tam
(S)-2-(2-Oxopyrrolidin-1-yl)butanamide; C_8H_{14}N_2O_2; 102767-28-2
Antiepileptic

Levobunolol (rINN) lë·vô·bu·no·lôl
(S)-5-(3-tert-Butylamino-2-hydroxypropoxy)-1,2,3,4-tetrahydro naphthalen-1-one; C_{17}H_{25}NO; 47141-42-4
Levobunolol Hydrochloride 27912-14-7
Beta-adrenoceptor antagonist

Levallorphan (rINN) lëv·a·lor·fan
(−)-17-Allylmorphinan-3-ol; C_{19}H_{25}NO; 152-02-3
Levallorphan Tartrate 71-82-9
Opioid receptor agonist

The symbol ‘¬’ in systematic chemical names signifies line continuation
Levobupivacaine (rINN) le·vo·bü·pi·va·kän
(S)-1-Butyl-2-piperidylformo-2,-6-xylidide; C₁₈H₂₈N₂O;
27262-47-1
Levobupivacaine Hydrochloride 27262-48-2
Local anaesthetic

Levocabastine (rINN) le·vö·ka·bastën
(3S,4R)-1-(cis-4-Cyano-4-p-fluorophenylcyclohexyl)-3-methyl-4-phenylpiperidine-4-carboxylic acid; C₂₆H₂₉FN₂O₂;
79516-68-0
Levocabastine Hydrochloride 79547-78-7
Histamine H₁ receptor antagonist; antihistamine

Levocabarinine (rINN) le·vö·kar·ni·tën
(R)-3-Hydroxy-4-trimethylammoniobutyrate; C₇H₁₅NO₃;
541-15-1
Carnitine substitute

Levocetirizine (rINN) le·vö·se·ti·ri·zën
(R)-2-[4-(4-Chlorobenzhydryl)piperazin-1-yl]ethoxyacetic acid; C₂₁H₂₅ClN₂O₃;
130018-77-8
Levocetirizine Hydrochloride (2HCl)
Histamine H₁ receptor antagonist; antihistamine

Levodopa (rINN) le·vö·dö·pa
3-(3,4-Dihydroxyphenyl)-l-alanine; l-dopa; C₉H₁₁NO₄;
59-92-7
Dopamine precursor; treatment of Parkinson’s disease

Levodropropizine (rINN) le·vö·dro·pro·pi·zën
(S)-3-(4-Phenylpiperazin-1-yl)propane-1,2-diol; C₁₈H₂₉N₂O₂;
99291-25-5
Cough suppressant

Levofloxacin (rINN) le·vö·flöks·a·sin
(S)-9-Fluoro-2,3-dihydro-3-methyl-10-(4-methylpiperazin-1-yl)-7-oxo-7H-pyrido[1,2,3-de][1,4]benzoxazine-6-carboxylic acid; C₁₉H₁₈FN₄O₆;
100986-85-4
Fluoroquinolone antibacterial

Levomenthol (rINN) le·vö·men·thol
(lR,2S,5R)-2-Isopropyl-5-methylcyclohexanol; C₁₀H₂₀O;
2216-51-5
Decongestant

Levometramide (rINN) le·vö·me·tra·mïd
(R)-1-(3-Methyl-4-morpholino-2,2-diphenylbutyl) pyrrolidine; C₂₅H₃₂N₂O₂;
5666-11-5
Opioid receptor agonist

Levomethorphan (rINN) le·vö·me·thör·fan
(−)-3-Methoxy-9α-methylmorphinan; C₁₄H₁₆NO; 125-70-2
Cough suppressant
Levonantradol (rINN) lé·von·na·tra·dol
(5S,6aR,9R,10aS)-5,6,6a,7,8,9,10,10a-Octahydro-9-hydroxy-6-methyl-3-[(1R)-1-methyl-4-phenylbutoxy]phenanthridin-1-yl acetate; C₂₇H₃₅NO₄; 71048-87-8
Levonantradol Hydrochloride 70222-86-5; CP-50556-1
Cannabinoid; antiemetic

Levonorgestrel (rINN) lé·von·or·je·strel
(−)-13β-Ethyl-17β-hydroxy-18,19-dinor-17α-pregn-4-en-20-yn-3-one; norgestrel; C₂₁H₂₈O₂; 797-63-7
Progestogen

Levophenacylmorphan (rINN) lé·vo·fe·nä·sil·mor·fan
2-[(−)-3-Hydroxymorphinan-17-yl]acetophenone; C₂₄H₂₇NO₂; 10061-32-2
Opioid receptor agonist

Levopropoxyphene (rINN) lé·vo·pro·oks·ë·fën
(1R,2S)-1-Benzyl-3-dimethylamino-2-methyl-1-phenylpropyl propionate; C₂₂H₂₉NO₂; 2338-37-6
Cough suppressant

Levorphanol (rINN) le·vor·fa·nol
(−)-17-Methylmorphan-3-ol; C₁₇H₂₃NO; 77-07-6
Levorphanol Tartrate 125-72-4 (anhydrous); 5985-38-6 (dihydrate)
Opioid receptor agonist

Levothyroxine (rINN) lé·vo·thë·rok·sën
O²⁺(4-Hydroxy-3,5-di-iodophenyl)-3,5-di-iodo-l-tyrosine; C₁₃H₁₁I₄NO₄; 51-48-9
Levothyroxine Sodium 55-03-8
Thyroid hormone replacement

Lexipafant (rINN) leks·i·pa·fant
Ethyl N-methyl-N-[α-(2-methylimidazo[4,5-c]pyridin-1-yl)tosyl]-l-leucinate; C₁₉H₁₈N₄O₈; 139133-26-9
Platelet aggregating factor antagonist

Liarozole (rINN) li·a·rō·zôl
(±)-5-(3-Chloro-α-imidazol-1-yl)benzimidazole; C₁₇H₁₃ClN₄; 115575-11-6
Liarozole Hydrochloride
Testosterone aromatase inhibitor

Lidocaine (rINN) lï·do·kän
2-Diethylaminoacetopheno-xylidide; C₁₂H₁₇N₂O; 137-58-6
Lidocaine Hydrochloride 73-78-9 (anhydrous); 6108-05-0 (monohydrate)
Local anaesthetic; Class I antiarrhythmic

The symbol ‘¬’ in systematic chemical names signifies line continuation
Lidoflazine (rINN) Lidöfläzion 4-[3-[4,4′-Difluorobenzhydryl]propyl]piperazin-1-ylaceto-2,6-xylidide; C₃₀H₃₅F₂N₃O; 3416-26-0
Calcium channel blocker

Lifarizine (rINN) Lifäriżën 1-Benzhydryl-4-(5-methyl-2-p-tolylimidazol-4-ylmethyl)piperazine; C₂₉H₃₂N₄; 119514-66-8
Sodium channel blocker

Lignocaine see Lidocaine

Linaprazan (rINN) Li-näpräzan 8-[[2,6-Dimethylphenyl][methyl]amino]-N-(2-hydroxyethyl)-2,3-dimethyylimidazo[1,2-α]pyridine-6-carboxamide; C₂₁H₂₆N₄O₂; 248919-64-4; Proton pump inhibitor

Lincomycin (rINN) Linkömiсин An antibiotic produced by Streptomyces lincolnensis var. lincolnensis; methyl 6-amino-6,8-dideoxy-N-[[2S,4R]-1-methyl-4-propylpropyl]-1-thio-α-α-cystooctopyranoside; C₁₈H₃₄N₂O₆S; 154-21-2
• Lincomycin Hydrochloride 859-18-7 (anhydrous); 7179-49-9 (hydrate)
Lincomamide antibacterial

Linagliptin (rINN) Li-nä glip tin 8-[(3R)-3-Aminopiperidin-1-yl]-7-(but-2-yn-1-yl)-3-methyl-1-[(4-methylquinazolin-2-yl)methyl]-3,7-dihydro-1H-purine-2,6-dione; C₂₅H₂₈N₄O₂; 668270-12-0
Dipeptidylpeptidase-4 inhibitor; treatment of type 2 diabetes mellitus

Lindane (rINN) Lin dän 1α,2α,3β,4α,5α,6ß-Hexachlorocyclohexane; gamma benzene hexachloride; C₆H₄Cl₆; 58-89-9
Insecticide

Linagliptin

Linezolid (rINN) Li-nez-o-lid N-[[S]-3-(3-Fluoro-4-morpholinophenyl)-2-oxo-1,3-oxazolidin-5-yl][methyl]acetamide; C₁₆H₂₀FN₃O₄; 165800-03-3
Oxazolidinone antibacterial

Liothyronine (rINN) Li-ô-thô-rô-nën 4-O-(4-Hydroxy-3-iodophenyl)-3,5-di-iodo-L-tyrosine; (−)-tri-iodothyronine; C₁₅H₁₂I₃NO; 6893-02-3
• Liothyronine Sodium 55-06-1 Thyroid hormone replacement

Liraglutide (rINN) Li-raglu-tid N²-(Hexadecanoyl-g-glutamyl)[34-l-arginine]GLP-1-(7-37)peptide; 204656-20-2; Glucagon-like peptide (GLP-1) receptor agonist (incretin mimetic); treatment of type II diabetes mellitus
liraglutide has the following amino acid sequence:
H-His-Ala-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-
-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys-Glu-Phe-
-Ile-Ala-Trp-Leu-Val-Arg-Gly-Arg-Gly-
Lisdexamfetamine (rINN) lis-deks amid fe ta men
(2S)-2,6-Diamino-N-[((1S)-1-phenylpropan-2-yl)hexanamide; C₁₅H₂₅N₃O; 608137-32-2
**Lisdexamfetamine Mesilate** Lisdexamfetamine dimesylate 608137-33-3
Dexamfetamine prodrug

Lisinopril (rINN) lë si nö pril N-[N-[((S)-1-Carboxy-3-phenylpropyl]-l-lysyl]-l-proline; C₂₁H₃₁N₃O₅; 76547-98-3
**Angiotensin converting enzyme inhibitor**

Lisuride (rINN) lë sùr rëíd 8-Decarboxamido-8-(3,3-diethylurido)-d-lysergamide; C₁₉H₂₆N₄O; 18016-80-3
**Lisuride Maleate** Dopamine receptor agonist

Liver Extract (BAN)
Extract of mammalian (usually pig) liver containing small amounts of cyanocobalamin, folic acid and, possibly, other haemopoietic factors; present in many preparations.

Lixisenatide (rINN) liks-ı-xen a tüd
**Incretin mimetic; treatment of type II diabetes mellitus**

Lofendazam (rINN) lö fen da zam
8-Chloro-1,3,4,5-tetrahydro-1-phenyl-1,5-benzodiazepin-2-one; C₁₅H₁₃ClN₂O; 29176-29-2
Benzodiazepine

Lofentanil (rINN) lö fen ta nil
Methyl (3R,4S)-3-methyl-1-phenethyl-4-(N-phenylpropion-amiido)piperidine-4-carboxylate; C₂₅H₃₂N₂O₃; 61380-40-3
**Lofentanil Oxalate** 61380-41-4
Opioid receptor agonist

Lofepramine (rINN) lö fe prä mën
5-[3-{N-[4-Chlorophenacyl]-N-methylamino}propyl]-10,11-dihydro-5H-dibenzo[b,f]azepine; C₂₂H₂₂ClN₂O; 23047-25-8
**Lofepramine Hydrochloride** Monoamine reuptake inhibitor; tricyclic antidepressant

The symbol ‘¬’ in systematic chemical names signifies line continuation
Lofexidine (rINN) lö·feks·i·dën
2-[1-(2,6-Dichlorophenoxy)ethyl]-2-imidazoline; C₁₁H₁₂Cl₂N₂O; 31036-80-3
Lofexidine Hydrochloride
Alpha₂-adrenoceptor agonist

Lombazole (rINN) lö·m·ba·zôl
1-(α-Biphenyl-4-yl-2-chlorobenzyl)imidazole; C₂₂H₁₇ClN₂; 60628-98-0
Antimicrobial preservative

Lomefloxa  cin (rINN) lö·me·floks·a·sin
(RS)-1-Ethyl-6,8-difluoro1,4-dihydro-7-(3-methylpiperazin-1-yl)-4-oxoquinoline-3-carboxylic acid; C₁₇H₁₉F₂N₃O₃; 98079-51-7
Lomefloxa cin Hydrochloride 98079-52-8
Fluoroquinolone antibacterial

Lomeguatrib see Appendix C

Lometrexol see Appendix C

Lomitapide (rINN) lö·mit·a·pïd
N-(2,2,2-Trifluoroethyl)-9-(4-[4-[4'-(trifluoromethyl)-1,1'-biphenyl]-2-carboxamido]piperidin-1-yl)butyl)-9H-fluorene-9-carboxamide; C₃₉H₃₇F₆N₆O₆; 182431-12-5
Lomitapide Mesilate 202971-43-8
Microsomal triglyceride transfer protein inhibitor; treatment of familial hypercholesterolaemia

Lomustine (rINN) lö·mus·tên
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea; C₄₅H₃₆ClN₅O₃; 13010-47-4
Antineoplastic alkylating agent

Lonidamine see Appendix C

Loperamide (rINN) lö·pe·ra·mid
4-[4-(4-Chlorophenyl)-4-hydroxy-piperidin-1-yl]-N,N-dimethyl-2,2-diphenylbutanamide; C₃₀H₂₃ClN₂O; 53179-11-6
Loperamide Hydrochloride 34552-83-5
Opioid receptor agonist; antidiarrhoeal

Loperamide Oxide (rINN) lö·pe·ra·mid
trans-4-(4-p-Chlorophenyl-4-hydroxy-piperidino)-N,N-dimethyl-2,2-diphenylbutyramide N-oxide; C₃₀H₂₃ClN₂O; 106900-12-3
Opioid receptor agonist; antidiarrhoeal

Lopinavir (rINN) lö·pin·a·veer
(5S)-N-[(1S,3S,4S)-1-Benzyl-4-{2-(2,6-dimethylphenoxy)aceta mido]-3-hydroxy-5-phenylpentyl]-3-methyl-2 (2-oxohexahydro-(2H)pyrimidin-1-yl)butanamide; C₃₀H₃₈N₆O₅; 192725-17-0
Protease inhibitor; antiviral (HIV)

Loprazolam (rINN) lö·pra·zû·lam
(Z)-6-(2-Chlorophenyl)-2,4-dihydro-2-(4-methylpiperazin-1-ylmethylene)-8-nitroimidazo[1,2-a][1,4]benzodiazepin-1-one; C₃₂H₃₂ClN₄O₅; 61197-73-7
Loprazolam Mesilate 70111-54-5
Benzodiazepine
Loracarbef (rINN) lor·ra·kar·bef
(6R,7S)-3-Chloro-8-oxo-7-β-phenylglycylamino-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid; 
C₁₆H₁₆ClN₃O₄; 76470-66-1
Beta-lactam antibacterial

Loratadine (rINN) lor·rat·a·dën
Ethyl 4-(8-chloro-5,6-dihydro-11H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-ylidene)piperidine-1-carboxylate; C₂₂H₂₃ClN₂O₂; 79794-75-5
Histamine H₁ receptor antagonist; antihistamine

Lorcainide (rINN) lor·kä·nïd
4´-Chloro-N-(1-isopropyl-4-piperidyl)-2-phenylacetanilide; 
C₂₂H₂₇ClN₂O; 59729-31-6
Lorcainide Hydrochloride 58934-46-6
Class I antiarrhythmic

Lorcinadol (rINN) see Appendix C

Loreclezole (rINN) lor·re·kle·zól
(Z)-1-({β,2,4-Trichlorostyryl}-1H-1,2,4-triazole; C₁₉H₁₂Cl₃N₃; 117857-45-1
Antiepileptic

Lorazepam (rINN) lor·rä·ze·pam
7-Chloro-5-(2-chlorophenyl)-1,3-dihydro-3-hydroxy-1-methyl-1,4-benzodiazepin-2-one; C₁₅H₁₀Cl₂N₂O₂; 846-49-1
Benzodiazepine

Lormetazepam (rINN) lor·me·tä·ze·pam
7-Chloro-5-(2-chlorophenyl)-1,3-dihydro-3-hydroxy-1-methyl-1,4-benzodiazepin-2-one; C₁₆H₁₂Cl₂N₂O₂; 848-75-9
Benzodiazepine

Lornoxicam (rINN) lor·noks·i·kam
6-Chloro-4-hydroxy-2-methyl-N-2-pyridyl-2H-thieno[2,3-c]-[1,2]thiazine-3-carboxamide 1,1-dioxide; C₁₃H₁₀ClN₃O₄S₂; 70374-39-9; Ro-13-9297
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Losartan (rINN) lō·sar·tan
(2-Butyl-4-chloro-1-{4-[2-(2H-tetrazol-5-yl)phenyl]benzyl}-1H-imidazol-5-yl)methanol; C₁₉H₁₁ClN₅O; 114798-26-4
Losartan Potassium 124750-99-8
Angiotensin II (AT₁) receptor antagonist

The symbol ‘−’ in systematic chemical names signifies line continuation
Losoxantrone (rINN) lö-soks-an-trón
7-Hydroxy-2-[2-(2-hydroxyethylamino)ethyl]-5-[2-(2-hydroxyethylamino)ethylamino]napht[h][1,2,3-cd]indazol-6(2H)-one; \( \text{C}_{22}\text{H}_{27}\text{N}_{5}\text{O}_{4} \); 88303-61-1
Inhibitor of DNA topoisomerase type II; antineoplastic

Loteprednol (rINN) lö-te-pred-nol
Chloromethyl 11β,17α-dihydroxy-3-oxoandrosta-1,4-diene-17β-carboxylate; \( \text{C}_{21}\text{H}_{27}\text{ClO}_{5} \); 129260-79-3
Loteprednol Etabonate (ester at O17); 82034-46-6
Glucocorticoid

Lovastatin (rINN) lo-va-sta-tin
\( (3R,5R)-7\{1,2,S,2S,6R,8S,8aR\}-\{1,2,6,7,8,8a-Hexahydro-2,6-dimethyl-8-(\{S\}-2-methylbutyryloxy)-1-naphthyl\}3-hydroxyheptan-5-olide; \( \text{C}_{24}\text{H}_{36}\text{O}_{5} \); 75330-75-5
HMG Co-A reductase inhibitor; lipid-regulating drug

Loviride (rINN) lö-ve-rid
\( \text{N}^2\{6-(Acetyl-m-tolyl)\}-\text{DL}-2-(2,6-dichlorophenyl)glycinamide; \( \text{C}_{17}\text{H}_{10}\text{Cl}_{2}\text{N}_{2}\text{O}_{2} \); 147362-57-0
Antiviral (HIV)

Lucanthone (rINN) loo-kan-thön
1-(2-Diethylaminoethylamino)-4-methylthioxanthen-9-one; \( \text{C}_{22}\text{H}_{25}\text{N}_{3}\text{O}_{2}\); 479-50-5
Lucanthone Hydrochloride 548-57-2
Antihelminthic

Lucantrone (rINN) lö-soks-an-trón
2-Chloro-11-(4-methylpiperazin-1-yl)dibenz[b,f][1,4]oxazepine; \( \text{C}_{18}\text{H}_{18}\text{ClN}_{3}\text{O} \); 1977-10-2
Dopamine receptor antagonist; antipsychotic
Lumefantrine (rINN)  lōō me fān’trēn
(1RS)-2-(Dibutylamino)-1-{[(Z)-4-chlorobenzylidene]fluoren-4-yl}ethanol; C₃₀H₂₂Cl₂NO; 82186-77-4
Antiprotozoal (malaria)

Lumiracoxib (rINN)  lōō mï·rā·koks’ ib
{2-[(2-Chloro-6-fluorophenyl)amino]-5-methylphenyl}acetic acid; C₁₅H₁₃ClFNO₂; 220991-20-8
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Luprostatil (rINN)  lōō prostor’ē·vəl
(1) (±)-(Z)-7-[(S,2R,3R,5S)-2-[(2S)-3-[(3-Chlorophenoxy)-2,5-dihydroxycyclopentyl]hept-5-enoic acid; C₂₁H₂₉ClO₆S; 67110-79-6
Prostaglandin (PGF₂α) analogue (veterinary)

Lurasidone (rINN)  lū·ra’zi·dön
(3αR,4S,7R,7aS)-2-[(1R,2R)-2-{(4,1,2-Benzothiazol-3-yl)piperazin-1-ylmethyl}cyclohexylmethyl]hexahydro-4,7-methano-2H-isoindole-1,3-dione; C₂₈H₃₆N₄O₂S; 367514-87-2
Lurasidone Hydrochloride 367514-88-3
Dopamine D₂ and serotonin 5HT₂ receptor antagonist; neuroleptic

Lurosetron (rINN) lūr-rō·sē·tron
6-Fluoro-2,3,4,5-tetrahydro-5-methyl-2-(5-methylimidazol-4-ylmethy]pyrido[4,3-b]indol-1-one; C₁₁H₁₁FN₄O; 128486-54-4
Lurosetron Mesilate 143466-90-2
Serotonin 5HT₃ receptor antagonist

Lutropin Alfa (rINN) lōō trō’pin al’-fa
Luteinising hormone (human α-subunit reduced complex human α-subunit reduced), glycoform α;
α-subunit: C₁₄₁H₂₂₀N₁₁₂O₁₄₃S₁₀; β-subunit: C₁₃₇H₂₁₅N₁₀₆O₁₄₅S₁₀; 56832-30-3
Recombinant human luteinising hormone; treatment of female infertility

Luxabendazole (rINN) luks’ a ben da zōl
Methyl 5-(4-fluorophenylsulfonyloxy)benzimidazol-2-ylcarbamate; C₁₃H₁₂FN₆O₅S; 90509-02-7
Antihelminthic

Lymecline (rINN) lī·më’sē·kleen
A water-soluble combination of tetracycline, lysine and formaldehyde; C₂₉H₂₆N₂O₁₀; 992-21-2
Tetracycline antibacterial

Lynestrenol (rINN) lī·nes·tre·nol
19-Nor-17α-pregn-4-en-20-yn-17β-ol; C₂₀H₂₈O; 52-76-6
Progestogen

Lypressin (rINN) see Appendix C
Lysergide (rINN) see Appendix C

The symbol ‘¬’ in systematic chemical names signifies line continuation
Lysine (rINN) ｌｙｓेｎ
L-lysine; (S)-2,6-Diaminohexanoic acid; C₆H₁₄N₂O₂; 56-87-1
Lysine Acetate 57282-49-2
Lysine Hydrochloride 57282-49-2

Macitentan (rINN) ｍａｃｉたンたン
N-[5-(4-Bromophenyl)-6-{2-[(5-bromopyrimidin-2-yl)oxy]propoxy}pyrimidin-4-yl]-N'-propylsulfuric diamide; C₁₉H₂₀Br₂N₆O₄S; 441798-33-0
Endothelin A receptor antagonist; treatment of pulmonary hypertension

Macrogol ｍａークろーぐール
Polyethylene glycol of general formula H-(OCH₂CH₂)ₙ-OH where n varies from 3 to 800 approximately. Each macrogol name is followed by a number corresponding approximately to its average molecular weight, eg macrogol 300, 400, 1000, 4000, 6000, 8000, 20 000 and 35 000; 25322-68-3
Non-ionic surfactant

Mafenide (rINN) まへんアイドー
α-Aminotoluene-p-sulfonamide; C₇H₁₀N₂O₂S; 138-39-6
Mafenide Acetate 13009-99-9
Antibacterial

Magaldrate (rINN) まーがーるだー	
A synthetic combination of aluminium and magnesium hydroxides and sulfuric acid corresponding approximately to the formula Al₅Mg₁₀(OH)₃₁(SO₄)₂ₓH₂O; 74978-16-8
Antacid

Malathion (BAN) まらーむしょ
Diethyl 2-(dimethoxyphosphinothioylthio)succinate; C₁₀H₁₉O₆PS₂; 121-75-5
Organophosphorus insecticide

Macroasal(¹³¹I) (rINN) まークローサルブ
Macroaggregated iodinated (¹³¹I) human albumin; 54182-63-7
Human albumin macroaggregates; lung surfactant

Macroasal(⁹⁹mTc) (rINN) まークローサルブ
Technetium(⁹⁹mTc)-labelled macroaggregated human albumin; 54277-47-3
Human albumin macroaggregates; lung surfactant

Macrosal (BAN) まークローサルブ
d-Glucopyranosyl-d-glucitol; C₁₂H₂₂O₁₁; 585-88-6
Sweetening agent
Mangafodipir (rINN) man·ga·fö·di·peer
Hexahydrogen (OC-6-13)-N,N’-ethane-1,2-diylbis{[N-[2-methyl-3-oxido-5-(phosphonatooxymethyl)-4-pyridylmethyl]-glycinato(O,N)}manganatet(II); C₉H₉O₇MnN₄O₁₄P₂; 155319-91-8; WIN 59010-2; S-095; MnDPDP
Mangafodipir Trisodium (rINN) 140678-14-4
Paramagnetic contrast-enhancing medium for magnetic resonance imaging

Manifaxine (rINN) ma·ni·faks·ën
(2S,3S,5R)-2-(3,5-difluorophenyl)-3,5-dimethylmorpholin-2-ol; C₁₂H₁₅F₂NO₂; 135306-42-2
Manifaxine Hydrochloride 135306-42-2
Treatment of attention deficit hyperactivity disorder

Mannomustine (rINN) man·om·us·tën
1,6-Bis(2-chloroethylamino)-1,6-dideoxy-d-mannitol; C₁₀H₂₂Cl₂N₂O₄; 576-68-1
Antineoplastic alkylating agent

Maprotiline (rINN) ma·pro·ti·lën
3-(9,10-Dihydro-9,10-ethanothracen-9-yl)propyl (methyl)amine; C₁₂H₁₉N; 10262-69-8
• Maprotiline Hydrochloride 10347-81-6
Antidepressant

Maraviroc (rINN) ma·raw·veer ók
4,4-Difluoro-N-{(1S)-3-[(1R,3S,5S)-3-[3-methyl-5-(propan-2-yl)-4H-1,2,4-triazol-4-yl]-8-azabicyclo[3.2.1]octan-8-yl]-1-phenylpropyl}cyclohexanecarboxamide; C₁₉H₂₄F₂N₅O; 376348-65-1
CCR5 receptor antagonist; antiviral (HIV)

Marbofloxacin (rINN) mar·bo·flox·ä·sin
9-Fluoro-2,3-dihydro-3-methyl-10-(4-methylpiperazin-1-yl)-7-oxo-7H-pyrido[3,2,1-j][4,1,2]benzoxadiazine-6-carboxylic acid; C₁₇H₁₉FN₄O₄; 115550-35-1
Fluoroquinolone antibacterial

Maribavir (rINN) mar·i·bä·veer
5,6-Dichloro-2-(isopropylamino)-1-(β-D-ribofuranosyl)benzimidazole; C₁₅H₁₉Cl₂N₃O₄; 176161-24-3
Antiviral (cytomegalovirus)

Marimastat (rINN) ma·ri·ma·stat
(2S,3R)-3-[[S]-2,2-Dimethyl-1-(methylcarbamoyl)propyl]-2-hydroxy-5-methylhexahydroxamic acid; C₁₅H₂₀N₂O₄; 154039-60-8
Matrix metalloproteinase inhibitor

The symbol ‘¬’ in systematic chemical names signifies line continuation
Mazindol (rINN) see Appendix C

Mazokalim (rINN) ma·zo·ka·lim
Ethyl (3S,4R)-4-[(3-hydroxy-2,2,3-trimethyl-4-(1,6-dihydro-6-oxopyridazin-3-yl)oxy)chroman-6-yl]tetrazol-1-yl) butyrate; C_{21}H_{26}N_{6}O_{6}; 164178-34-5
Potassium channel opener; bronchodilator

Mebanazine (rINN) me·ban a·zën
α-Methylbenzhydrylazine; C_{9}H_{12}N_{2}; 65-64-5
Antidepressant

Mebendazole (rINN) me·ben·da·zôl
Methyl 5-benzoylbenzimidazol-2-ylcarbamate; C_{16}H_{13}N_{3}O_{3}; 31431-39-7
Benzimidazole antihelminthic

Mebeverine (rINN) me·bev·er·rën
(RS)-4-[Ethyl(4-methoxy-α-methylphenethyl)amino]butylveratrate; C_{16}H_{21}N_{3}; 3625-06-7
Mebeverine Pamoate
Smooth muscle relaxant; antispasmodic

Mebutamate (rINN) me·bü·ta·mät
2-sec-Butyl-2-methyltrimethylene dicarbamate; C_{9}H_{23}N_{2}O_{4}; 64-55-1
Hypnotic

Mebetzolium Iodide (rINN) see Appendix C

Mehydroelin (rINN) see Appendix C

Mebutamide (rINN) me·bü·tam·id
(1R,2R,4S)-Methyl(2,3,3-trimethylbicyclo[2.2.1]hept-2-yl)amine; C_{7}H_{13}N; 60-40-2
Mebutamide Hydrochloride 826-39-1
Ganglion blocker

Mecamylamine (rINN) me·ka·mil·a·men
(1R,2R,4S)-Methyl(2,3,3-trimethylbicyclo[2.2.1]hept-2-yl)amine; C_{7}H_{13}N; 60-40-2
Mecamylamine Hydrochloride 826-39-1
Ganglion blocker

Mecasermin (rINN) me·ka·ser·min
Insulin like growth factor I (human); 68562-41-4
Recombinant insulin like growth factor 1 (human)
mecasermin has the following amino acid sequence:

Mecetonium Etilsulfate (rINN) me·se·trö·nē·um
Ethyl(hexadecyl)dimethylammonium ethyl sulfate; C_{17}H_{34}NO_{5}; 3006-10-8
Antiseptic

Mecetonium Etilsulfate (rINN) me·se·trö·nē·um
Ethyl(hexadecyl)dimethylammonium ethyl sulfate; C_{17}H_{34}NO_{5}; 3006-10-8
Antiseptic

Mecamylamine (rINN) me·ka·mil·a·men
(1R,2R,4S)-Methyl(2,3,3-trimethylbicyclo[2.2.1]hept-2-yl)amine; C_{7}H_{13}N; 60-40-2
Mecamylamine Hydrochloride 826-39-1
Ganglion blocker

Mecasermin (rINN) me·ka·ser·min
Insulin like growth factor I (human); 68562-41-4
Recombinant insulin like growth factor 1 (human)
mecasermin has the following amino acid sequence:

Mecetonium Etilsulfate (rINN) me·se·trö·nē·um
Ethyl(hexadecyl)dimethylammonium ethyl sulfate; C_{17}H_{34}NO_{5}; 3006-10-8
Antiseptic

Mecetonium Etilsulfate (rINN) me·se·trö·nē·um
Ethyl(hexadecyl)dimethylammonium ethyl sulfate; C_{17}H_{34}NO_{5}; 3006-10-8
Antiseptic
Mecillinam (rINN) me-si-lin-am
6-(Perhydroazepin-1-ylmethyleneamino)penicillanic acid; C₁₅H₂₃N₃O₃S; 32887-01-7
Beta-lactam antibacterial

Meclocycline (rINN) me-klo-si-klen
(1) (4S,4aR,5S,5aR,12aS)-7-Chloro-4-dimethylamino-1,4,4a,5,6,11,12a-octahydro-6-methyl-1,11-dioxonaphthacene-2-carboxamide; (2) 7-Chloro-6-demethyl-6-deoxy-5β-hydroxy-6-methylenetetracycline; C₂₂H₂₁ClN₂O₈; 2013-58-3
Tetracycline antibacterial

Meclofenamic Acid (rINN) me-klo-fe-nam-ik
N-(2,6-Dichloro-m-toly)anthranilic acid; C₁₄H₁₁Cl₂NO₂; 644-62-2
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Meclofenoxate (rINN) see Appendix C

Meclorisone (rINN) me-klor-i-sön
9,11β-Dichloro-17α,21-dihydroxy-16α-methylpregna-1,4-diene-3,20-dione; C₂₂H₂₃ClNO₄; 4732-48-3
Meclorisone Butyrate 10549-91-4
Glucocorticoid

Meclozine (rINN) me-klo-zën
(RS)-1-(4-Chlorobenzhydryl)-4-(3-methylbenzyl)piperazine; C₂₅H₂₇ClN₂; 569-65-3
Meclozine Hydrochloride meclizine hydrochloride; 31884-77-2 (hydrate)
Histamine H₁ receptor antagonist; antihistamine

Mecobalamin (rINN) me-kō-bal-a-min
Coα-[α-(5,6-Dimethylbenzimidazolyl)-Coβ-methylcobamide; C₈₀H₇₀CoN₁₃O₁₄P; 13422-55-4
Vitamin B₁₂ analogue

Mecysteine (rINN) me-sis-tän
1-Cysteine methyl ester; C₄H₉NO₂S; 2485-62-3
Mecysteine Hydrochloride 5714-80-7
Mucolytic

Medazepam (rINN) me-dā-ze-pam
7-Chloro-2,3-dihydro-1-methyl-5-phenyl-1H-1,4-benzodiazepine; C₁₆H₁₅ClN₂; 2898-12-6
Benzodiazepine

Medetomidine (rINN) me-de-to-mi-dën
(±)-4-[1-(2,3-Xylyl)ethyl]imidazole; C₁₃H₁₆N₂; 86347-14-0
Alpha₂-adrenoceptor agonist (veterinary)
Medigoxin see Metildigoxin

Medrogestone (rINN) me·dro·jes·tôn
6,17α-Dimethylpregna-4,6-diene-3,20-dione; C₂₃H₃₂O₂; 977-79-7
Progestogen

Medronic Acid (rINN) me·dro·nik
Methylenediphosphonic acid; CH₆O₆P₂; 1984-15-2
Disodium Medronate 25681-89-4
Non-radioactive chemical precursor for diagnostic imaging radiopharmaceutical

Medroxalol (rINN) me·droks·a·lol
5-{2-[3-(1,3-Benzodioxol-5-yl)-1-methylpropylamino]-1-hydroxyethyl}salicylamide; C₂₀H₂₄N₂O₅; 56290-94-9
Medroxalol Hydrochloride 70161-10-3
Non-selective adrenoceptor agonist

Medroxyprogesterone (rINN) me·dro·ksye·pré·ste·rön
17α-Hydroxy-6α-methylpregn-4-ene-3,20-dione; C₂₂H₃₀O₃; 520-85-4
Medroxyprogesterone Acetate 71-58-9
Progestogen

Medroxyprogesterone Acetate

Mefenamic Acid (rINN) me·fen·a·mik
N-2,3-Xylylanthranilic acid; C₁₅H₁₅NO₂; 61-68-7
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Mefloquine (rINN) me·flo·kwēn
(RS)-2,8-Bis(trifluoromethyl)-4-quinolyl[(SR)-2-piperidyl]-methanol; C₁₇H₁₆F₆N₂O; 53230-10-7
Mefloquine Hydrochloride 51773-92-3
Antiprotozoal (malaria)

Mefruside (rINN) me·frus·ïd
4-Chloro-N¹-methyl-N¹-(2-methyltetrahydrofurfuryl)benzene-1,3-disulfonamide; C₁₃H₁₉ClN₂O₅S₂; 7195-27-9
Thiazide-like diuretic

Megestrol (rINN) me·jes·trol
17α-Hydroxy-6-methylpregn-4,6-diene-3,20-dione; C₂₂H₃₀O₃; 3562-63-8
Megestrol Acetate 595-33-5
Progestogen

Meglumine (rINN) meg·loo·mēn
1-Methylamino-1-deoxy-ß-glucitol; C₁₁H₁₇NO₄; 6284-40-8
Organic base used in the preparation of organic acids
**Meladrazine** (rINN) me·la·dra·zën
Tetraethyl(6-hydrazinotriazin-2,4-diyl)diamine; C_{11}H_{23}N_{7}; 13957-36-3
Smooth muscle relaxant; treatment of detrusor instability

**Melarsonyl Potassium** (rINN) me·lar·sö·nil
Dipotassium 2-[4-(4,6-diamino-1,3,5-triazin-2-ylamino)phenyl]-1,3-dithiarsolan-4,5-dicarboxylate; C_{13}H_{11}AsK_{2}N_{6}O_{4}S_{2}; 13355-55-0
Antiprotozoal

**Melarsoprol** (rINN) me·lar·sö·pøl
2-[4-(4,6-Diamino-1,3,5-triazin-2-ylamino)phenyl]-1,3-dithiarsolan-4-ylmethanol; C_{12}H_{15}AsN_{6}OS_{2}; 494-79-1
Antiprotozoal

**Meldonium** (rINN) mel·dö·në·um
3-(1,1,1-Trimethylhydrazin-1-ium-2-yl)propanoate; C_{6}H_{14}N_{2}O_{2}; 76144-81-5
Carnitine synthesis inhibitor; management of ischaemic heart disease and ischaemic cerebrovascular disturbance

**Melengestrol** (rINN) me·len·jes·trol
17α-Hydroxy-6-methyl-16-methylenepregna-4,6-diene-3,20-dione; C_{21}H_{30}O_{3}; 5633-18-1
Progestogen

**Meloxicam** (rINN) me·loks·i·kam
4-Hydroxy-2-methyl-N-(5-methyl-1,3-thiazol-2-yl)-2H-1,2-benzothiazine-3-carboxamide 1,1-dioxide; C_{14}H_{13}N_{4}O_{5}S_{2}; 71125-38-7
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

**Melphalan** (rINN) mel·fa·lan
4-Bis(2-chloroethyl)amino-1-phenylalanine; C_{19}H_{18}Cl_{2}N_{2}O_{2}; 148-82-3
Antineoplastic alkylating agent

**Memantine** (rINN) me·man·tën
3,5-Dimethyladamantan-1-amine; C_{12}H_{21}N; 1982-08-2
Memantine Hydrochloride
Cholinesterase inhibitor; treatment of Alzheimer’s disease

**Menadiol** (BAN) me·na·di·ol

The symbol ‘¬’ in systematic chemical names signifies line continuation
2-Methylnaphthalene-1,4-diol; C\textsubscript{11}H\textsubscript{10}O\textsubscript{2}; 481-85-6

**Menadiol Sodium Phosphate** 6700-42-1
Vitamin K analogue

![Menadiol Sodium Phosphate structure](image)

Menadiol Potassium Sulfate *(rINN)* me\textsubscript{a} di\textsubscript{o}l Dipotassium 2-methylnaphthalene-1,4-disulfonate; C\textsubscript{11}H\textsubscript{8}K\textsubscript{2}O\textsubscript{8}S\textsubscript{2}; 1612-30-2
Vitamin K analogue

![Menadiol Potassium Sulfate structure](image)

**Menadione** *(BAN)* me\textsubscript{a} di\textsubscript{ön} 2-Methyl-1,4-naphthoquinone; C\textsubscript{11}H\textsubscript{8}O\textsubscript{2}; 58-27-5
Vitamin K analogue

![Menadione structure](image)

Menadoxime *(BAN)* me\textsubscript{a} doks\textsubscript{ëm} Ammonium salt of 2-methylnaphthoquinone 4-oxime \(\tilde{\text{O}}\)-carboxymethyl ether; C\textsubscript{13}H\textsubscript{14}N\textsubscript{2}O\textsubscript{4}; 6146-99-2
Vitamin K analogue

![Menadoxime structure](image)

Menotrophin *(BAN)* me\textsubscript{a} tro\textsubscript{f}in A dry preparation containing glycoprotein gonadotrophins possessing follicle-stimulating and luteinising activities. It contains not less than 40 units of follicle-stimulating hormone activity per mg. The ratio of Units of luteinising hormone (LH) activity to Units of follicle-stimulating hormone (FSH) activity is approximately 1. The preparation is exclusively or predominantly of pituitary origin and is obtained from the urine of post-menopausal women but, where necessary, chorionic gonadotrophin obtained from the urine of pregnant women may be added to achieve the above ratio; menotropins; 9002-68-0
Gonadotrophin; treatment of infertility

See also Human Menopausal Gonadotrophin, Follitropin Alfa and Follitropin Beta

![Menotrophin structure](image)

Mepacrine *(rINN)* me\textsubscript{a} pa\textsubscript{krën} 6-Chloro-9-(4-diethylamino-1-methylbutylamino)-2-methoxyacridine; C\textsubscript{23}H\textsubscript{30}ClN\textsubscript{3}O; 83-89-6
Mepacrine Hydrochloride 69-05-6 (2HCl); 6151-30-0 (2HCl, 2H\textsubscript{2}O)
Antiprotozoal (malaria)

![Mepacrine structure](image)

Mepartricin *(rINN)* me\textsubscript{a} par\textsubscript{tri} sin A mixture of the methyl esters of two related polyene macrolide antibiotics obtained from a strain of *Streptomyces aureofaciens* or by any other means; 11121-32-70
Antifungal

![Mepartricin structure](image)

Mepenzolate Bromide *(rINN)* see Appendix C

Mephenesin *(rINN)* me\textsubscript{fen} ë\textsubscript{sin} (RS)-3-o-Tolyloxypropane-1,2-diol; C\textsubscript{10}H\textsubscript{14}O\textsubscript{2}; 59-47-2
Skeletal muscle relaxant

![Mephenesin structure](image)
Mephenytoin (rINN) see Appendix C

Mephentermine (rINN) me·pfer·ten·mä·nə
Nα,α-Trimethylphenethylamine; C₁₁H₁₇N; 100-92-5
Mephentermine Sulfate 1212-72-2
Adrenerceptor agonist

Mepindolol (rINN) me·pin·do·ləl (RS)-1-Isopropylamino-3-(2-methylindol-4-yloxy)propan-2-ol; C₁₅H₂₂N₂O₂; 23694-81-7
Beta-adrenoceptor antagonist

Mepiprazole (rINN) me·pip·ra·zəl 1-(3-Chlorophenyl)-4-[2-(5-methyl-1H-pyrazol-3-yl)ethyl]-piperazine; C₁₆H₂₁ClN₄; 20326-12-9
Monoamine reuptake inhibitor

Mepivacaine (rINN) me·pi·va·kän 1-Methyl-2-piperidylformo-2',6'-xylidide; C₁₅H₂₂N₂O; 96-88-8
Mepivacaine Hydrochloride 1722-62-9
Local anaesthetic

Meprobamate (rINN) me·pro·ba·mät 2-Methyl-2-propyltrimethylene dicarbamate; C₉H₁₈N₂O₄; 57-53-4
Hypnotic

Meprochol (BAN) me·pro·kəl (2-Methoxyprop-2-enyl)trimethylammonium bromide; C₇H₁₆BrNO; 590-31-8
Cholinoceptor agonist

Meproscillarin (rINN) me·pro·sil·a·rin 14-Hydroxy-3β-(4-O-methyl-a-L-rhamnopyranosyloxy)-14β-bufa-4,20,22-trienolide; C₃₁H₄₄O₈; 33396-37-1
Na/K-ATPase inhibitor; cardiac glycoside

Meprotixol (rINN) see Appendix C

Meptazinol (rINN) me·pta·zi·nol 3-(3-Ethyl-1-methylpyridoazepin-3-yl)phenol; C₁₅H₂₃NO; 34154-59-1
Meptazinol Hydrochloride 20154-59-1
Opioid receptor partial agonist; analgesic

Mequitazine (rINN) me·kwit·a·zən 3-(Phenothiazin-10-yl)methylquinuclidine; C₂₀H₂₂N₅S; 29216-28-2
Histamine H₂ receptor antagonist; antihistamine
Meralluride (rINN) mer·ral lûr·rid
A mixture of (RS)-3-[3-(3-carboxypropionyl)ureido]-2-methoxypropyl hydroxomercury and theophylline; 8069-64-5
Mercurial diuretic

Mercaptamine (rINN) mer·kap·ta·mën
2-Aminoethanethiol; C2H7NS; 60-23-1
Mercaptamine Bitartrate 27761-19-9
Aminothiol; treatment of cystinosis

Mercaptomerin (rINN) mer·kap·tö·me·rin
Disodium salt of carboxymethylthio[3-(carboxy-2,2,3-trimethylcyclopentanecarboxamido)-2-methoxypropyl]mercury; C16H25HgNNa2O6S; 20223-84-1
Mercurial diuretic

Mercaptopurine (rINN) mer·kap·tö·pûr·rën
Purine-6-thiol; C5H4N4S; 50-44-2 (anhydrous); 6112-76-1 (monohydrate)
Thiopurine antineoplastic and immunosuppressant

Mercurophylline (rINN) mer·kûr·fo·fi·lën
A mixture of theophylline and the sodium salt of [3-(3-carboxy-2,2,3-trimethylcyclopentanecarboxamido)-2-methoxypropyl]mercury; 8012-34-8
Mercurial diuretic

Meropenem (rINN) me·rō·pe·nem
(4R,5S,6S)-3-[(3S,5S)-5-Dimethylcarbamoylpyrrolidin-3-ylthio]-6-[(R)-1-hydroxyethyl]-4-methyl-7-oxo-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid; C13H23N3O5S; 96036-03-2
Carbapenem antibacterial

Mergiatide (rINN) mer·ti·a·tid
treatment of cystinosis

Mesalazine (rINN) me·sal·a·zën
5-Aminosalicylic acid; 5-ASA; C7H7NO3; 89-57-6
Aminosalicylate; treatment of ulcerative colitis

Mesna (rINN)
Sodium 2-mercaptoethanesulfonate; C5H3NaO3S; 19767-45-4
Preventing adverse effects of cyclophosphamide and ifosfamide

Mesoridazine (rINN) mez·ö·ri·da·zën
(RS)-10-[2-(1-Methyl-2-piperidyl)ethyl]-2-(methylsulfinyl)-phenothiazine; C21H26N2O2S2; 5588-33-0
Dopamine receptor antagonist; antipsychotic

Mesurophylline (rINN) mer·kû·ro·fi·lën
A mixture of theophylline and the sodium salt of [3-(3-carboxy-2,2,3-trimethylcyclopentanecarboxamido)-2-methoxypropyl]mercury; 8012-34-8
Mercurial diuretic

Mestanolone (rINN) see Appendix C
**Mesterolone** (rINN) me·ste·ro·lön
17β-Hydroxy-1α-methyl-5α-androstan-3-one; C_{20}H_{22}O_{2}; 1424-00-6
Androgen

**Mestranol** (rINN) mes·tra·nol
(1) 3-Methoxy-19-nor-17α-pregna-1,3,5(10)-trien-20-yn-17β-ol; (2) Ethinylestradiol 3-methyl ether; C_{21}H_{26}O_{2}; 72-33-3
Estrogen

**Mesulfen** (rINN) më·sul·fen
2,7-Dimethylthianthrene; mesulfen (pINN); C_{14}H_{12}S_{2}; 135-58-0
Dopamine receptor agonist

**Mesuximide** (rINN) me·sux·i·mïd
(RS)-N,2-Dimethyl-2-phenylsuccinimide; C_{12}H_{13}NO_{2}; 77-41-8
Antiepileptic

**Metabolite** see Appendix C

**Metamfazone** (rINN) see Appendix C

**Metamfazone** (rINN) see Appendix C

**Metamfepramone** (rINN) met·am·fe·pra·mön
α-Dimethylaminopropiophenone; C_{11}H_{15}NO; 15351-09-4
Appetite suppressant

**Metaraminol** (rINN) met·a·ram·i·nol
(1R,2S)-2-Amino-1-(3-hydroxyphenyl)propan-1-ol; C_{9}H_{13}NO_{2}; 54-49-9
Adrenoceptor agonist

**Metaraminol Tartrate** 17171-57-2

**Metaxalone** (rINN) me·taks·a·lön
(RS)-5-(3,5-Xylyloxymethyl)-2-oxazolidone; C_{12}H_{15}NO_{3}; 1665-48-1
Skeletal muscle relaxant

The symbol ‘¬’ in systematic chemical names signifies line continuation
Metazocine (rINN) me·tä·zö·sën
(2R,6R,11R)-1,2,3,4,5,6-Hexahydro-3,6,11-trimethyl-2,6-
methano-3-benzazocin-8-ol; C₁₅H₂₁NO; 3734-52-9
Opioid receptor agonist

Methanolone (rINN) me·ten·o·lön
17β-Hydroxy-1-methyl-5α-androst-1-en-3-one; C₂₀H₃₀O₂; 153-00-4
Methanolone Acetate 434-05-9
Opioid receptor agonist

Metergoline (rINN) me·ter·gö·lën
Benzyl (8S,10R)-(1,6-dimethylergolin-8-ylmethyl)carbamate;
C₂₅H₂₉N₃O₂; 17692-51-2
Serotonin 5HT receptor antagonist

Metetoin (rINN) see Appendix C

Metformin (rINN) me·for·min
1,1-Dimethylbiguanide; C₄H₁₁N₅; 657-24-9
• Metformin Hydrochloride 1155-70-4
Biguanide; treatment of diabetes mellitus

Methacholine Chloride (rINN) me·tha·kö·lën
(1) Acetyl-β-methylcholine chloride; (2) (2-Acetoxypropyl)-
trimethylammonium chloride; C₉H₁₀ClNO₂; 62-51-1
Cholinesterase inhibitor

Methadone (rINN) me·tha·dön
6-Dimethylamino-4,4-diphenylheptan-3-one; amidine;
C₂₁H₂₇NO; 76-99-3
• Methadone Hydrochloride 1095-90-5
Opioid receptor agonist; analgesic

Methadyl Acetate see Acetylmethadol

Methallenestril (rINN) see Appendix C

Methallibure see Metallibure

Methamphetamine see Metamphazone

Methaqualone (BAN) see Appendix C

Methanthelimum Bromide (rINN) me·than·the·li·në·mum
Diethyl(methyl)[2-(xanthen-9-ylcarbonyloxy)ethyl]ammonium bromide; C₃₂H₂₈BrNO₂; 53-46-3
Anticholinergic

Methaphenilene (rINN) me·tha·fe·ni·lën
N-(2-dimethylaminoethyl)-N-phenylalanine; C₁₅H₂₉N₂S; 493-78-7
Histamine H₁ receptor antagonist; antihistamine
Methapyrilene (rINN) me-tha-pi·ri-len
2-(N-2-Pyridyl-N-2-thienylamino)ethyldimethylamine; C_{14}H_{19}N_{3}S; 91-80-5
Histamine H\textsubscript{1} receptor antagonist; antihistamine

Methaqualone (rINN) me-tha kwà·lòn
2-Methyl-3-o-tolyquinazolin-4-(3H)-one; C_{16}H_{14}N_{2}O; 72-44-6
Hypnotic

Metharbital (rINN) me-thar·bi·tal
5,5-diethyl-1-methylbarbituric acid; C_{9}H_{14}N_{2}O_{3}; 50-11-3
Barbiturate; antiepileptic

Methazolamide (rINN) me-tha·zol·a·mid
N-(4-Methyl-2-sulfamoyl-\Delta^{2}-1,3,4-thiadiazolin-5-ylidene)acetamide; C_{9}H_{8}N_{4}O_{3}S_{2}; 554-57-4
Carbonic anhydrase inhibitor; treatment of glaucoma and ocular hypertension

Methadilazine (rINN) meth·di·lazën
10-(1-Methylpyrrolidin-3-ylmethyl)phenothiazine; C_{18}H_{20}N_{2}S; 1982-37-2
Histamine H\textsubscript{1} receptor antagonist; antihistamine

Methenamine Hippurate (rINN) me·then·a·më·në·hi·pûr·rät
A 1:1 complex of hexamine and hippuric acid; C_{6}H_{12}N_{4}.C_{9}H_{9}NO_{3}; 5714-73-8
Antiseptic

Methenolone see Metenolone

Methestrol (rINN) me-thë·ströl
4,4’-(1,2-Diethylethylene)d(o-cresol); C_{20}H_{26}O_{3}; 130-73-4
Estrogen

Methetoin see Metetoin

Methicillin see Meticillin

Methimazole see Thiamazole

Methindizate see Metindizate

Methiodal Sodium (rINN) me-thë·dal·Säd·ëm
Sodium iodomethanesulfonate; CH_{2}INaO_{3}S; 126-31-8
Iodinated X-ray contrast medium

Methionine (rINN) me-thï·önë
\textsuperscript{L}Methionine; (2S)-2-Amino-4-(methanesulfanyl)butanoic acid; C_{4}H_{13}NO_{3}; 63-68-3;
Amino acid

Methisazone see Metisazone

Methixene see Metixene

Methocarbamol (rINN) me-thö·kar·ba·mol
2-Hydroxy-3-(2-methoxyphenoxy)propyl carbamate; C_{11}H_{15}NO_{5}; 532-03-6
Skeletal muscle relaxant

The symbol ‘¬’ in systematic chemical names signifies line continuation
Methohexital (rINN) me-thō-heks-ĭ-tal
5-Allyl-1-methyl-5-(1-methylpent-2-ynyl)barbituric acid; C₁₅H₁₈N₂O₃; 18652-93-2

- Methohexital Sodium 22151-68-4
  Intravenous barbiturate; general anaesthetic

  ![Methohexital Sodium](image)

Methoxyflurane (rINN) me-thōk-ê-flûr-răn
2,2-Dichloro-1,1-difluoroethyl methyl ether; C₁₁H₂Cl₂F₂O; 76-38-0
General anaesthetic

  ![Methoxyflurane](image)

Methoxamine hydrochloride (rINN) me-thōk-ë-men-amën
2-Methoxy-α-methylphenethyl(methyl)amine; C₁₃H₂₁NO; 93-30-1
Adrenoceptor agonist

  ![Methoxamine](image)

Methoxyphenamine (rINN) me-thōk-ë-fen-amën
Adrenoceptor agonist

  ![Methoxyphenamine](image)

Methotrexate (rINN) me-thō-trek-s-ät
4-Amino-4-deoxy-10-methylpteroyl-l-glutamic acid; amethopterin; C₂₀H₂₂N₈O₅; 59-05-2

- Methotrexate Sodium
  Dihydrofolate reductase inhibitor; antineoplastic

  ![Methotrexate Sodium](image)

Methoxyflurane (rINN) me-thōk-ê-flûr-răn
2,2-Dichloro-1,1-difluoroethyl methyl ether; C₁₁H₂Cl₂F₂O; 76-38-0
General anaesthetic

Methoxamine hydrochloride (rINN) me-thōk-ë-men-amën
2-Methoxy-α-methylphenethyl(methyl)amine; C₁₃H₂₁NO; 93-30-1
Adrenoceptor agonist

  ![Methoxamine](image)

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Adrenoceptor agonist

  ![Methoxyphenamine](image)

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4-Amino-4-deoxy-10-methylpteroyl-l-glutamic acid; amethopterin; C₂₀H₂₂N₈O₅; 59-05-2

- Methotrexate sodium
  Dihydrofolate reductase inhibitor; antineoplastic

  ![Methotrexate Sodium](image)

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2,2-Dichloro-1,1-difluoroethyl methyl ether; C₁₁H₂Cl₂F₂O; 76-38-0
General anaesthetic

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  ![Methoxamine](image)

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- Methotrexate sodium
  Dihydrofolate reductase inhibitor; antineoplastic

  ![Methotrexate Sodium](image)

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2,2-Dichloro-1,1-difluoroethyl methyl ether; C₁₁H₂Cl₂F₂O; 76-38-0
General anaesthetic

Methoxamine hydrochloride (rINN) me-thōk-ë-men-amën
2-Methoxy-α-methylphenethyl(methyl)amine; C₁₃H₂₁NO; 93-30-1
Adrenoceptor agonist

  ![Methoxamine](image)

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Adrenoceptor agonist

  ![Methoxyphenamine](image)

Methotrexate sodium (rINN) me-thō-trek-s-ät
4-Amino-4-deoxy-10-methylpteroyl-l-glutamic acid; amethopterin; C₂₀H₂₂N₈O₅; 59-05-2

- Methotrexate sodium
  Dihydrofolate reductase inhibitor; antineoplastic

  ![Methotrexate Sodium](image)

Methoxyflurane (rINN) me-thōk-ê-flûr-răn
2,2-Dichloro-1,1-difluoroethyl methyl ether; C₁₁H₂Cl₂F₂O; 76-38-0
General anaesthetic

Methoxamine hydrochloride (rINN) me-thōk-ë-men-amën
2-Methoxy-α-methylphenethyl(methyl)amine; C₁₃H₂₁NO; 93-30-1
Adrenoceptor agonist

  ![Methoxamine](image)

Methoxyphenamine (rINN) me-thōk-ë-fen-amën
Adrenoceptor agonist

  ![Methoxyphenamine](image)

Methotrexate sodium (rINN) me-thō-trek-s-ät
4-Amino-4-deoxy-10-methylpteroyl-l-glutamic acid; amethopterin; C₂₀H₂₂N₈O₅; 59-05-2

- Methotrexate sodium
  Dihydrofolate reductase inhibitor; antineoplastic

  ![Methotrexate Sodium](image)

Methoxyflurane (rINN) me-thōk-ê-flûr-răn
2,2-Dichloro-1,1-difluoroethyl methyl ether; C₁₁H₂Cl₂F₂O; 76-38-0
General anaesthetic

Methoxamine hydrochloride (rINN) me-thōk-ë-men-amën
2-Methoxy-α-methylphenethyl(methyl)amine; C₁₃H₂₁NO; 93-30-1
Adrenoceptor agonist

  ![Methoxamine](image)

Methoxyphenamine (rINN) me-thōk-ê-fen-amën
Adrenoceptor agonist

  ![Methoxyphenamine](image)

Methotrexate sodium (rINN) me-thō-trek-s-ät
4-Amino-4-deoxy-10-methylpteroyl-l-glutamic acid; amethopterin; C₂₀H₂₂N₈O₅; 59-05-2

- Methotrexate sodium
  Dihydrofolate reductase inhibitor; antineoplastic

  ![Methotrexate Sodium](image)
Methyldopa (rINN) mē-thīl dō-pä
3-(3,4-Dihydroxyphenyl)-2-methyl-l-alanine; C₁₀H₁₃NO₄; 555-30-6 (anhydrous); 41372-08-1 (sesquihydrate)
Alpha₂-adrenoceptor agonist; treatment of hypertension

Methyldopate (BAN) mē-thīl dō-pät
(1) Ethyl 3-(3,4-dihydroxyphenyl)-2-methyl-l-alaninate; (2) Ethyl (→)-2-amino-2-(3,4-dihydroxybenzyl)propionate; C₁₂H₁₇NO₄; 2544-09-4
*Methyldopate Hydrochloride 2508-79-4
Alpha₂-adrenoceptor agonist; treatment of hypertension

Methylephedrine (rINN) see Appendix C

Methylergometrine (rINN) mē-thīl-er·gö-mē-trën
(8R)-N-(1S)-1-(Hydroxymethyl)proplyrsergamide; methylergonovine; C₂₀H₂₅N₃O₂; 113-42-8
*Methylergometrine Maleate 7054-07-1
Oxytocic

Methylnaltrexone bromide (rINN) mē-thīl nal-trex-ōn
(17RS)-17-(Cyclopropymethyl)-4,5α-epoxy-3,14-dihydroxy-17-methyl-6-oxomorphan-17-ium bromide; C₁₃H₁₇BrNO₃; 73232-52-7;
Opioid receptor antagonist; treatment of opioid-induced constipation

Methypentynol (rINN) mē-thīl pen-tin-ol
3-Methylpent-1-yn-3-ol; C₇H₁₀O; 477-73-8
Hypnotic; anxiolytic

Methypentynol (rINN) mē-thīl pen-tin-ol
3-Methylpent-1-yn-3-ol; C₇H₁₀O; 477-73-8
Hypnotic; anxiolytic

Methylene Blue see Methylthioninium Chloride

Methylephedrine see Appendix C

Methylphenidate (rINN) mē-thīl fe-nid·ät
Methyl 2-phenyl-2-piperidylacetate; C₁₄H₁₉NO₂; 113-45-1
Methylphenidate Hydrochloride 298-59-9
Narcolepsy; hyperactivity disorders in children

Methylphenobarbital (rINN) mē-thīl fe-nō-bar·bi·tal
(RS)-5-Ethyl-1-methyl-5-phenylbarbituric acid; mephobarbital; C₁₃H₁₄N₂O₃; 115-38-8
Barbiturate

Methylprednisolone (rINN) mē-thīl pred-ni-so-lön
(1) 11β,17α,21-Trihydroxy-6α-methylpregna-1,4-diene-3,20-dione; (2) 6α-Methylprednisolone; C₂₀H₃₀O₅; 83-43-2
*Methylprednisolone Acetate 53-36-1
*Methylprednisolone Hydrogen Succinate 2921-57-5
*Methylprednisolone Sodium Succinate 2373-03-3
*Methylprednisolone Suleptonate 90350-40-6
Glucocorticoid

Methylrosanilinium Chloride (rINN) mē-thīl rōs·ani-li·në·um
N-(4-[bis[4-(Dimethylamino)phenyl]methylene]cyclohexa-2,5-dienylidene)-N-methylmethanaminium; C₂₅H₃₆ClN₄; 548-62-9
Antiseptic dye (gentian violet)

The symbol ‘¬’ in systematic chemical names signifies line continuation
Methyltestosterone (rINN) me·thïl tes·to·rön
17β-Hydroxy-17α-methylandrostan-4-en-3-one; C_{29}H_{38}O_{2}; 58-18-4
Anabolic steroid

Methylthioninium Chloride (rINN) me·thïl·thï·ö·nï·ë·um
3,7-Bis(dimethylamino)phenothiazin-5-ium chloride trihydrate; Cl basic blue 9 trihydrate; C_{16}H_{18}ClN_{3}S·3H_{2}O; 7220-79-3
Reducing agent; antidote to methaemoglobinaemia

Methyprylon (rINN) me·thë·prï·lon
(RS)-3,3-Diethyl-5-methylpiperidine-2,4-dione; C_{10}H_{17}NO_{2}; 125-64-4
Hypnotic

Methyridine (BAN) me·thir·di·den
2-(2-Methoxyethyl)pyridine; C_{4}H_{11}NO; 114-91-0
Antihelminthic

Methysergide (rINN) me·thë·sér·jïd
(8R)-N-(1S)-(1-Hydroxymethyl)propyl-1-methylsergamide; C_{21}H_{25}N_{3}O_{2}; 361-37-5
Methysergide Maleate 129-49-7
Non-selective 5HT receptor antagonist

Metiamide (rINN) me·ti·a·mid
1-Methyl-3-[2-(5-methylimidazol-4-ylmethylthio)ethyl]thiourea; C_{11}H_{19}N_{3}S; 34839-70-8
Histamine H_{2} receptor antagonist

Meticillin (rINN) me·thi·si·lin
6-(2,6-Dimethoxybenzamido)penicillanic acid; C_{13}H_{22}N_{2}O_{5}; 61-32-5
Methicillin Sodium 7246-14-2
Antibacterial

Metindizate (rINN) me·tin·di·zät
2-(1-Methylperhydropyridol-3-yl)ethyl benzilate; C_{24}H_{30}O_{4}; 15687-33-9
Metindizate Hydrochloride
Antispasmodic
**Metipranolol** (rINN) me·ti·pra·no·lol
4-(2-Hydroxy-3-isopropylaminopropanoxy)-2,3,6-trimethylphenyl acetate; C₁₇H₂₇NO₄; 22664-55-7
Beta-adrenoceptor antagonist

**Metirosine** (rINN) me·ti·ró·sën
(-)-a-Methyl-L-tyrosine; C₁₀H₁₃NO₃; 672-87-7
Alpha-methyl-para-tyrosine; tyrosine hydroxylase inhibitor

**Metisazone** (rINN) see Appendix C

**Metixene** (rINN) me·tiks·ën
(RS)-9-(1-Methyl-3-piperidylmethyl)thioxanthene; C₂₀H₂₃NS; 4969-02-2
*Metixene Hydrochloride* 7081-40-5
Anticholinergic

**Metizoline** (rINN) me·ti·zo·lën
2-(2-Methylbenzo[b]thienylmethyl)-2-imidazoline; C₁₃H₁₄N₂S; 17692-22-7
Vasoconstrictor; nasal congestion

**Metolazone** (rINN) me·to·la·zön
(-)-7-Chloro-1,2-dihydro-2-methyl-4-oxo-3-α-tolylquinazoline-6-sulfonamide; C₁₆H₁₆ClN₃O₃S; 17560-51-9
Thiazide-like diuretic

**Metomidate** (rINN) see Appendix C

**Metopimazine** (rINN) me·tö·pi·ma·zën
1-[3-(2-Methylsulfonylphenothiazin-10-yl)propyl]piperidine-4-carboxamide; C₂₇H₂₇N₂O₂S₂; 14008-44-7
Dopamine receptor antagonist; antiemetic

**Metopon** (rINN) me·tö·pon
(1) (-)-(5R)-4,5-Epoxy-3-hydroxy-5,17-dimethylmorphinan-6-one; (2) 6-Deoxy-7,8-dihydro-5-methyl-6-oxomorphine; C₁₈H₂₁NO₃; 143-52-2
Opioid receptor agonist

**Metoprolool** (rINN) me·to·pro·lo·lol
1-Isopropylamino-3-p-(2-methoxyethyl)phenoxypropan-2-ol; C₁₇H₂₂NO₅; 54163-88-1
*Metoprolool Succinate* 98418-47-4
*Metoprolool Tartrate* 56392-17-7
Beta-adrenoceptor antagonist

**Metoserpate** (rINN) see Appendix C

The symbol ‘¬’ in systematic chemical names signifies line continuation
Metronperone (rINN) me·tren·pe·rón
3-[2-(4-p-Fluorobenzoylpiperidino)ethyl]-2,7-dimethyl-7H-pyrido[1,2-a]pyrimidin-4-one; C13H15FNO2; R50970
Serotonin 5HT2 receptor antagonist (veterinary)

Metrifonate (rINN) me·tri·fo·nát
(RS)-Dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate; trichlorfon; C14H17Cl3O4P; 52-68-6
Antihelminthic

Metrizamide (rINN) me·tri·za·mïd
2-[3-Acetamido-2,4,6-tri-iodo-5-(N-methylacetamido)benzamido]-2-deoxy-d-glucose; C18H22I3N3O8; 55134-11-7
Lodinated contrast medium

Metronidazole (rINN) me·tron·i·da·zôl
2-(2-Methyl-5-nitroimidazol-1-yl)ethanol; C6H9N3O3; 443-48-1
Imidazole antibacterial

Metronidazole Benzoate (BAN)
2-(2-Methyl-5-nitroimidazol-1-yl)ethyl benzoate; C13H13N3O4; 13182-89-3
Imidazole antibacterial

Metyrapone (rINN) me·ti·ra·pón
2-Methyl-1,2-di-(3-pyridyl)propan-1-one; C14H14N2O; 54-36-4
11-Beta-hydroxylase inhibitor; inhibition of the formation of corticosteroids

Metyzoline see Metizoline

Mefenone (rINN) meks·e·nön
2-Hydroxy-4-methoxy-4’-methylbenzophenone; C13H14O3; 1641-17-4
Sunscreen

Mexiletine (rINN) meks·e·lï·te·ën
1-Methyl-2-(2,6-xylyloxy)ethylamine; C11H17NO; 31828-71-4

Mexiletine Hydrochloride 5370-01-4
Class I antiarrhythmic

Mibolerone (rINN) mï·bol·e·rön
17β-Hydroxy-7α,17-dimethylestr-4-en-3-one; C20H30O2; 3704-09-4
Anabolic steroid; androgen
Micafungin (rINN) më ka fun·gin
6-N\(\beta\)-1-anhydro-(4R,5R)-4,5-Dihydroxy-N\(\beta\)-(4-\{5-\{4-\(\beta\)-Oxyphenoxi\}phenyl\}-1,2-oxazol-3-yl\}benzoyl\}-L-ornithyl-\(\lambda\)-threonyl-(4R)-4-hydroxy-\(\lambda\)-prolyl-(4S)-4-hydroxy-\{4-hydroxy-3-(sulfoxy)phenyl\}-L-threonyl-(3R)-3-hydroxy-L-glutaminyl-(3S)-3-hydroxy-4-methyl-L-proline; C\(\delta\)H\(\delta\)N\(\delta\)O\(\delta\); 235114-32-6;
Micafungin Sodium 208538-73-2
Antifungal

Miconazole (rINN) më kon·azôl
(RS)-1-[2,4-Dichloro-\(\beta\)-2,4-dichloroethoxyphenyl]phenethyl]-imidazole; C\(\delta\)H\(\delta\)ClN\(\delta\)O; 22916-47-8
Miconazole Nitrate 22832-87-7
Antifungal azole

Midodrine (rINN) më dô·drën
(RS)-N\(\beta\)-Hydroxy-2,5-dimethoxyphenethyl)glycinamide; C\(\delta\)H\(\delta\)N\(\delta\)O\(\delta\); 42794-76-3
Midodrine Hydrochloride 3092-17-9
Alpha\(-\)adrenoceptor agonist

Mifamurtide (rINN) më fon·er·tid
2-(N-[\((2R)-2-(2-Acetamido-2,3-dideoxy-\(\beta\)-L-glucopyranosyl)ethyl\]-\(\lambda\)-alanyl-L-glutamyl-L-alanyl\}amino)ethyl (2R)-2,3-bis(hexadecanoyloxy)propyl hydrogen phosphate; C\(\delta\)H\(\delta\)N\(\delta\)O\(\delta\); 83461-56-7;
Dihydrofolate reductase inhibitor; antineoplastic

Midazolam (rINN) më dâz·ô·lam
8-Chloro-6-(2-fluorophenyl)-1-methyl-4\(\delta\)-imidazo[1,5-\(\alpha\)][1,4]-benzodiazepine; C\(\delta\)H\(\delta\)ClN\(\delta\); 59467-70-8
Midazolam Hydrochloride 59467-96-8
Benzodiazepine

Mifepristone (rINN) më fe·pris·tön
11\(\beta\)-(4-Dimethylaminophenyl)-17\(\beta\)-hydroxy-17\(\alpha\)-prop-1-ynylestra-4,9-dien-3-one; C\(\delta\)H\(\delta\)NO\(\delta\); 84371-65-3
Progesterone antagonist

The symbol ‘\(\sim\)’ in systematic chemical names signifies line continuation
Miglitol (rINN) mig·gli·tol
(2R,3R,4S,5S)-1-(2-Hydroxyethyl)-2-(hydroxymethyl)-
1-piperidine-3,4,5-triol; C_{14}H_{21}NO_{5}; 72412-03-2
*Alpha-glucosidase inhibitor; treatment of diabetes mellitus*

Miglustat (rINN) mi·gloo·stat
1,5-(Butylimino)-1,5-dideoxy-D-glucitol; C_{10}H_{21}NO_{4};
72599-27-0
*Alpha-glucosidase inhibitor; treatment of diabetes mellitus*

Mikamycin (rINN) mi·ka·mï·sin
Antimicrobial substances produced by *Streptomyces mitakaensis*;
certain components are identical with some
components of ostreogrycin, pristinamycin and virginiamycin;
11006-76-10
*Aminoglycoside antibacterial*

Milenperone (rINN) see Appendix C

Milnacipran (rINN) mil·na·si·pran
(±)-cis-2-Aminomethyl-N,N-diethyl-1-phenylcyclopropane-
1-carboxamide; C_{15}H_{22}N_{2}O;
92623-85-3
Milnacipran Hydrochloride
101152-94-7
*Inhibitor of 5HT and noradrenaline reuptake; antidepressant*

Milrinone (rINN) mil·ri·nön
1,6-Dihydro-2-methyl-6-oxo-[3,4'-bipyridine]-5-carbonitrile;
C_{12}H_{15}N_{5}O; 78415-72-2
*Inhibitor of phosphodiesterase type III; positive inotrope*

Miltefosine (rINN) mil·tef·o·sën
[2-(Trimethylammonio)ethyl][hexadecyloxyphosphonate];
C_{23}H_{48}NO_{5}P; 58066-85-6
*Progesterone antagonist*

Minaprine (rINN) see Appendix C

Minaxolone (rINN) mi·nak·sō·lön
11α-Dimethylamino-2β-ethoxy-3α-hydroxy-5α-pregn-20-one; C_{25}H_{33}NO_{5}; 62371-87-3
Minaxolone Citrate
*General anaesthetic*

Minepentate (rINN) see Appendix C

Minocycline (rINN) mï·nö·sï·klën
(1) (4S,4aS,5aR,12aS)-4,7-Bis(dimethylamino)-
1,4,4a,5,5a,6,11,12-dioxonaphthacene-2-carboxamide; (2) 6-Demethyl-6-deoxy-7-
dimethylaminotetracycline; C_{23}H_{27}N_{3}O_{7}; 11008-90-8
Minocycline Hydrochloride
13614-98-7
*Tetracycline antibacterial*

Minoxidil (rINN) min·oks·i·dil
2,6-Diamino-4-piperidinopyrimidine 1-oxide; C_{10}H_{15}N_{4}O;
38304-91-5
*Vasodilator; treatment of hypertension; male pattern baldness*
Mioflazine (rINN) see Appendix C

Mipomersen (rINN) mì-pêr·sen
all-P-ambo-2’-O-(2-Methoxyethyl)-5-methyl-P-thioguanylyl-(3’→5’)-2’-O-(2-methoxyethyl)-5-methyl-P-thiociidylyl-(3’→5’)-2’-O-(2-methoxyethyl)-5-methyl-P-thioimididylyl-(3’→5’)-2’-O-(2-methoxyethyl)-5-methyl-P-thioamidylyl-(3’→5’)-2’-deoxy-P-thioadenenlyl-(3’→5’)-2’-deoxy-P-thioguanaryl-(3’→5’)-P-thiothiodyl-(3’→5’)-2’-deoxy-P-thiociidylyl-(3’→5’)-2’-deoxy-P-thioguanylyl-(3’→5’)-P-thiothiodyl-(3’→5’)-2’-deoxy-P-thioimididylyl-(3’→5’)-2’-deoxy-P-thioamidylyl-(3’→5’)-P-thiothiodyl-(3’→5’)-2’-O-(2-methoxyethyl)-5-methyl-P-thioamidylyl-(3’→5’)-2’-O-(2-methoxyethyl)-5-methyl-P-thiothiodyl-(3’→5’)-P-thioamidylyl-(3’→5’)-2’-O-(2-methoxyethyl)-5-methyl-P-thioimididylyl-(3’→5’)-P-thioamidylyl-(3’→5’)-2’-O-(2-methoxyethyl)-5-methyl-P-thiothiodyl-(3’→5’)-2’-O-(2-methoxyethyl)-5-methylcytidine; 1000120-98-8

Mipomersen Sodium 629167-92-6
Antisense oligonucleotide inhibitor (APOB); antihypercholesterol agent

\( (3’→5’) \text{P-thioguanylyl-(3’→5’)-2’-O-(2-methoxyethyl)-5-methyl-P-thiocytidylyl-(3’→5’)-2’-O-(2-methoxyethyl)-5-methyl-P-thiothiodylyl-(3’→5’)-P-thioguanylyl-(3’→5’)-P-thioamidylyl-(3’→5’)-2’-O-(2-methoxyethyl)-5-methyl-P-thiothiodyl-(3’→5’)-P-thioamidylyl-(3’→5’)-2’-O-(2-methoxyethyl)-5-methyl-P-thioamidylyl-(3’→5’)-2’-O-(2-methoxyethyl)-5-methyl-} \)

Modified nucleosides

\( \Delta: \)

\( \Gamma: \) R = O-CH₂-CH₂-OMe
d\( \Gamma: \) R = H

\( \Upsilon: \)

Mirtazapine (rINN) mer-tā·za·pën
(RS)-1,2,3,4,10,14b-Hexahydro-2-methylpyrazino[2,1-a]pyrido[2,3-c][2]benzazepine; \( C_{21}H_{24}N_{3} \); 61337-67-5
Inhibitor of SHT and noradrenaline uptake; antidepressant and enantiomer

The symbol ‘¬’ in systematic chemical names signifies line continuation

Mirabegron (rINN) meer·a·beg·ron
2-(2-Amino-1,3-thiazol-4-yl)-N-[4-[[2R]-2-hydroxy-2-phenylethyl]amino]ethyl]phenylacetamide; \( C_{21}H_{22}N_{2}O_{2}S \); 223673-61-8
Beta-3-adrenoceptor agonist; treatment of overactive bladder syndrome

Miristalkonium Chloride (rINN) mi·rist·al·kō·nee·um
Beta3-adrenoceptor agonist; treatment of overactive bladder syndrome

Mircocept (rINN) mi·ro·kö·seept
Myristoylated-peptidyl recombinant SCR1-3 of human complement receptor type 1; 507453-82-9
Soluble complement receptor

Mirococept has the following amino acid sequence:

Mirtazapine (rINN) mer-tā·za·pën
(RS)-1,2,3,4,10,14b-Hexahydro-2-methylpyrazino[2,1-a]pyrido[2,3-c][2]benzazepine; \( C_{21}H_{24}N_{3} \); 61337-67-5
Inhibitor of SHT and noradrenaline uptake; antidepressant and enantiomer

The symbol ‘¬’ in systematic chemical names signifies line continuation
Misonidazole (rINN) mǐ sō-nǐd a zṓl
(RS)-3-Methoxy-1-(2-nitroimidazol-1-yl)propan-2-ol; C₁₀H₁₀N₃O₄; 13551-87-6
Antiprotozoal

\[
\begin{align*}
\text{N} & \quad \text{O} \\
\text{N} & \quad \text{O} \\
\text{N} & \quad \text{O} \\
\text{N} & \quad \text{O} \\
\text{N} & \quad \text{O} \\
\text{N} & \quad \text{O} \\
\text{N} & \quad \text{O} \\
\text{N} & \quad \text{O}
\end{align*}
\]
and enantiomer

Misoprostol (rINN) mǐ sō-pros-tōl
(1) (±)-Methyl 7-[1R,2R,3R]-3-hydroxy-2-[(E)-(4RS)-4-hydroxy-4-methylcyclopentyl]-5-oxocycloheptanoate;
(2) (±)-Methyl (13E)-11,16-dihydroxy-16-methyl-9-oxoprost-13-enolate; C₂₂H₃₈O₅; 59122-46-2
Prostaglandin (PGE₁) analogue

\[
\begin{align*}
\text{O} & \quad \text{COO} \quad \text{Me} \\
\text{O} & \quad \text{Me} \\
\text{O} & \quad \text{OH} \\
\text{O} & \quad \text{OH} \\
\text{O} & \quad \text{OH} \\
\text{O} & \quad \text{Br}
\end{align*}
\]
and enantiomer at C°

Mitobronitol (rINN) mǐ tō-bro-ni-tōl
1,6-Dibromo-1,6-dideoxy-D-mannitol; C₆H₁₂Br₂O₄; 488-41-5
Antineoplastic alkylating agent; treatment of haematological disorders

Mitotane (rINN) mǐ tō-tān
1,1-Dichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl)ethane; C₁₄H₉Cl₄; 53-19-0;
Adrenal cortex suppressant; treatment of adrenocortical tumours

Mizolastine (rINN) mǐ zō-lasting
2-(1-[1-(4-Fluorobenzyl)-1H-benimidazol-2-yl]-4-piperidyl(methyl)amino)pyrimidin-4(1H)-one; C₂₃H₂₁FN₄O; 108612-45-9
Histamine H₁ receptor antagonist; antihistamine
Moclobemide (rINN) mö·klö·be·mïd
4-Chloro-N-(2-morpholinoethyl)benzamide; C₁₃H₁₇ClN₂O₂; 71320-77-9
Monoamine oxidase type A inhibitor; antidepressant

Modafinil (rINN) mö·da·fi·nil
2-(Benzhydrylsulfinyl)acetamide; C₁₅H₁₅NO₂S; 68693-11-8
Narcolepsy and sleep disorders

Modipafant (rINN) mö·di·pa·fant
Ethyl (R)-4-(2-chlorophenyl)-1,4-dihydro-6-methyl-2-[4-(2-methyl-1H-imidazo[4,5-c]pyridin-1-yl)phenyl]-5-(2-pyridyl-γ-carbamoyl)pyridine-3-carboxylate; C₃₄H₂₉ClN₆O₃; 122957-06-6; 122956-68-7 (racemate)
Platelet activating factor antagonist

Moexipril (rINN) mö·eks·i·pril
(3S)-2[(2S)-{[(1S)-1-Ethoxycarbonyl]-3-phenylpropyl}-γ-amino]propanoyl]-1,2,3,4-tetrahydro-6,7-dimethoxyquinoline-3-carboxylic acid; C₂₇H₃₄N₂O₇; 82586-52-5
Moexipril Hydrochloride 82586-52-5
Angiotensin converting enzyme inhibitor

Molgramostim (rINN) mol·gra·mos·tim
Recombinant granulocyte macrophage colony stimulating factor expressed by E. coli; 99283-10-0
Recombinant granulocyte macrophage colony-stimulating factor

molgramostim has the following amino acid sequence:

```
APARFSPS
RDTAEMNET
ELYKQGLRGS
FTPETSCATQ
DCWEPVQS
```

Molindone (rINN) mol·in·dön
(RS)-3-Ethyl-1,5,6,7-tetrahydro-2-methyl-5-(morpholinomethyl)indol-4-one; C₁₉H₂₃N₂O; 7416-34-4
Molindone Hydrochloride 15622-63-8
Dopamine receptor antagonist; antipsychotic

Molsidomine (rINN) mol·sī·dō·mën
N-Ethoxycarbonyl-3-morpholinosydnonimine; C₁₃H₁₄N₄O₄; 25717-80-0
Nitric oxide donor; treatment of angina pectoris

Mometasone (rINN) mö·me·ta·sön
9α,21-Dichloro-11β,17-dihydroxy-16α-methylpregna-1,4-diene-3,20-dione; C₂₃H₃₁ClO₄; 105102-22-5
Mometasone Furoate 83919-23-7
Glucocorticoid

Monensin (rINN) mo·nen·sin
An antibacterial substance produced by Streptomyces cinnamonensis; 4-[2-[2-ethyl-3′-methyl-5′-(tetrahydro-6-hydroxy-6-hydroxymethyl-3,5-dimethylpyran-2-yl)perhydro-2,2′-bifuran-5-yl]-9-hydroxy-2,8-dimethyl-1,6-dioxaspiro[4,5]dec-7-yl]3-methoxy-2-methylpentanoic acid; C₁₉H₂₆O₁₀; 17090-79-8
Monensin Sodium 22373-78-0
Ionophore antimicrobial agent

The symbol ‘¬’ in systematic chemical names signifies line continuation.
Monoctanoin (BAN) mo·nok-ta·nō·in
A mixture of 1-O-decanoyl-sn-glycerol-3,1,2-O-dioctanoyl-sn-glycerol-3 and 1-O-octanoyl-sn-glycerol-3 in which the molecular ratio-range of the mono-octyl ester to the sum of the monodecanoyl and dioctanoyl esters is 80 to 85:15 to 10

Dissolving cholesterol gallstones

Monosulfiram see Sulfiram

Montelukast (rINN) mon·tē·lük·ast
(1R)-(1-[(3-Chloro-2-quinolyl)vinyl]phenyl)-3-(1-hydroxy-1-methylethyl)phenylpropylthiomethyl)cyclopropylacetic acid; C₃₅H₃₆ClNO₃S; 158966-92-8; MK-0476

Montelukast Sodium 151767-02-1
Leukotriene CysLT₁ receptor antagonist; treatment of asthma

Mopidamol see Appendix C

Moracizine (rINN) mor·a·zi·zën
Ethyl 10-(3-morpholinopropionyl)phenothiazin-2-ylcarbamate; C₂₂H₂₅N₃O₄S; 31883-05-3; moricizine

Moracizine Hydrochloride 29560-58-8
Class I antiarrhythmic

Morantel (rINN) mo·ran·tel
(E)-1,4,5,6-Tetrahydro-1-methyl-2-[2-(3-methyl-2-thienyl)vinyl]pyrimidine; C₁₂H₁₆N₂S; 20574-50-9

Morantel Tartrate 26155-31-7
Morantel Citrate Antihelminthic

Morazone (rINN) see Appendix C

Morocctocog Alfa (rINN) mo·rok·to·cog al·fa
(1—742)—(1637—1648)-Blood-coagulation factor VIII (human reduced) complex with 1649—2332—blood-coagulation factor VIII (human reduced); Blood coagulation factor VIII

Moroxynide (rINN) mo·roks·ë·dën
1-(Morpholinoformimidoyl)guanidine; C₆H₁₃N₅O; 3731-59-7

Antiviral (herpes viruses)

Morpheridine (rINN) mor·fe·ri·dën
Ethyl 1-(2-morpholinoethyl)-4-phenylpiperidine-4-carboxylate; morpholinoethylmorphethidine; C₂₉H₃₀N₂O; 469-81-8

Opioid receptor agonist

Morphine (BAN) mor·fēn
(5R,6S)-7,8-Didehydro-4,5-epoxy-17-methylmorphinan-3,6-diol; C₁₇H₁₉NO₃; 57-27-2

● Morphine Hydrochloride 52-26-6
● Morphine Sulfate 64-31-3

Morphine Tartrate 302-31-8
Opioid receptor agonist; analgesic

Moxaverine (rINN) moks·a·ver·rën
1-Benzyl-3-ethyl-6,7-dimethoxyisoquinoline; C₂₀H₂₁NO₂; 10539-19-2

Moxaverine Hydrochloride 1163-37-7
Smooth muscle relaxant

Moxidectin (rINN) moks·i·dek·tin
(6R,15S)-5-O-Demethyl-28-deoxy-25-[(E)-1,3-dimethylbut-1-enyl]-6,28-epoxy-23-oxomilbemycin B (E)-23-O-methylxime; C₁₇H₂₀NO₅; 113507-06-5

Antihelminthic; ectoparasiticide
Moxifloxacin (rINN) moks·i·floks·a·sin
1-Cyclopropyl-6-fluoro-8-methoxy-7-[(4aS,7aS)-octahydro-6H-pyrrolo[3,4-b]pyridin-6-yl]-4-oxo-1,4-dihydroquinoline-3-carboxylic acid; C₂₁H₂₄FN₃O₄; 151096-09-2
• Moxifloxacin Hydrochloride 186826-86-8
Fluoroquinolone antibacterial

Moxipraquine (rINN) moks·i·pra·kwën
4-4-{6-(6-Methoxy-8-quinolylamino)hexyl}piperazin-1-yl]butan-2-ol; C₂₄H₃₈N₄O₂; 23790-08-1
Antiprotozoal

Moxisylyte (rINN) moks·i·lï·t
4-(2-dimethylaminoethoxy)-5-isopropyl-2-methylphenyl acetate; C₁₆H₂₅NO₃; 54-32-0
• Moxisylyte Hydrochloride 964-52-3
Alpha-adrenoceptor antagonist

Moxonidine (rINN) moks·o·ni·dën
4-Chloro-6-methoxy-2-methylpyrimidine-5-yl(2-imidazolin-2-yl)amine; C₉H₁₂ClN₅O; 75438-57-2
Imidazoline I₁ receptor agonist; treatment of hypertension

Mupirocin (rINN) mü·pi·rō·sin
9-[(2E)-4-[(2S,3R,4R,5S)-5-[(2S,3S,4S,5S)-2,3-Epoxy-5-hydroxy-4-methylhexyl]tetrahydro-3,4-dihydroxypyrant-2-yl]-3-methylbut-2-enoyloxy]nonanoic acid; C₂₅H₄₆O₆; 12650-69-0
• Mupirocin Calcium 11504-43-6
Antibacterial

Mupirocin Calcium 11504-43-6

Mucin, Gastric see Gastric Mucin

Mupirocin (rINN) mü·pi·rō·sin
9-[(2E)-4-[(2S,3R,4R,5S)-5-[(2S,3S,4S,5S)-2,3-Epoxy-5-hydroxy-4-methylhexyl]tetrahydro-3,4-dihydroxypyrant-2-yl]-3-methylbut-2-enoyloxy]nonanoic acid; C₂₅H₄₆O₆; 12650-69-0
• Mupirocin Calcium 11504-43-6
Antibacterial

Mustine see Chlormethine

Muzolimine (rINN) see Appendix C

Mycophenolic Acid (rINN) mï·kö·fe·no·lik
(E)-6-(1,3-Dihydro-4-hydroxy-6-methoxy-7-methyl-3-oxoisobenzofuran-5-yl)-4-methylhex-4-enoic acid; C₁₇H₂₀O₆; 24280-93-1
• Mycophenolate Mofetil 115007-34-6
Inhibitor of nucleic acid synthesis; immunomodulator

Myralact (rINN) mï·ra·lakt
(2-Hydroxyethyl)tetradecylammonium lactate; C₁₉H₄₁NO₄; 15518-87-3
Antiseptic

Myrophine (rINN) mü·ro·fën
(1) (−)-(5R,6S)-3-Benzylxoy-4,5-epoxy-17-methylmorphin-7-en-6-yl myristate; (2) 3-O-Benzyl-6-O-myristyloxyphenol; C₅₃H₈₀O₄; 467-18-5
Opioid receptor agonist
Nabilone (rINN) naˈbi lön
(±)-(6aR,10aR)-3-(1,1-Dimethylheptyl)-6a,7,8,9,10,10a-hexahydro-1-hydroxy-6,6-dimethyl-6H-benzo[c]chromen-9-one; C_{24}H_{36}O_{3}; 51022-71-0
Cannabinoid

Nabumetone (rINN) naˈbümə tun
4-(6-Methoxy-2-naphthyl)butan-2-one; C_{15}H_{16}O_{2}; 42924-53-8
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Nadide (rINN) năˈdid
1-(3-Carbamoylpyridinio)-β-D-ribofuranoside 5-(adenosine-5′-diphosphate); C_{21}H_{27}N_{7}O_{14}P_{2}; 53-84-9
Naturally occurring co-enzyme (nicotinimide adenine dinucleotide); treatment of alcohol and opioid addiction

Nadifloxacin (rINN) naˈdif loks aˈsin
(RS)-9-Fluoro-6,7-dihydro-8-(4-hydroxypiperidino)-5-methyl-1-oxo-1H,5H-benzo[g]quinolizine-2-carboxylic acid; C_{19}H_{21}FN_{2}O_{4}; 124858-35-1
Fluoroquinolone antibacterial

Nadolol (rINN) naˈdələl
(2R,3S)-5-(3-tert-Butylamino-2-hydroxypropoxy)-1,2,3,4-tetrahydrophthalene-2,3-diol; C_{17}H_{27}NO_{4}; 42200-33-9
Beta-adrenoceptor antagonist

Nadroparin Calcium (rINN) naˈdrəˈpər in
Calcium salt of depolymerised heparin obtained by nitrous acid degradation of heparin from pork intestinal mucosa; the majority of the components have a 2-O-sulfo-α-l-idopyranosuronic acid structure at the non-reducing end and a 6-O-sulfo-2,5-anhydro-β-d-mannitol structure at the reducing end of their chain; the average molecular weight is about 4500; the degree of sulfation is about 2.1 per disaccharide unit
Low molecular weight heparin

Nafarelin (rINN) naˈfa rəˈlin
5-oxo-L-prolyl-L-histidyl-L-tryptophyl-L-seryl-L-tyrosyl-3-(2-naphthyl)-D-alanyl-L-leucyl-L-arginyln-L-prolylglycinamide; 76932-56-4
Nafarelin Acetate 86220-42-0
Gonadotropin releasing hormone (gonadorelin) analogue; treatment of prostate carcinoma

nafarelin has the following amino acid sequence:

\[ \text{Glu–His–Trp–Ser–Tyr–3–(naphthyl)–D-Ala–Leu–Arg–Pro–Gly}–\text{NH}_2 \]

Nafazatrom (rINN) naˈfə zaˈtrom
3-Methyl-1-[2-(2-naphthoxy)ethyl]-5-pyrazolone; C_{10}H_{15}N_{5}O_{2}; 59040-30-1
Lipoxygenase inhibitor; antithrombic
Nafcillin (rINN) naf·si·lin
6-(2-Ethoxy-1-naphthamido)penicillanic acid; C₁₁H₁₂N₂O₅S; 147-52-4
Nafcillin Sodium 7717-50-6 (hydrate); 985-16-0 (anhydrous)
Penicillin antibacterial

Nafoplin (rINN) see Appendix C

Nafpenin (rINN) see Appendix C

Naftalofos (rINN) naf·ta·lō·fos
Diethyl naphthalimido-oxyphosphonate; C₁₆H₁₆NO₆P; 1491-41-4
Antihelminthic

Naftazone (rINN) naf·ta·zön
1,2-Naphthoquinone 2-semicarbazone; C₁₁H₉N₃O₂; 15687-37-3
Inhibitor of platelet aggregation

Naftidrofuryl (rINN) naf·tï·drö·fûr·ïl
All rac-2-Diethylaminooctyl-3-(1-naphthyl)-2-tetrahydro-1-furfurylpropionato; C₂₄H₃₃NO₃; 31329-57-4
*Naftidrofuryl Oxalate* nafroxyl oxalate; 3200-06-4
Vasodilator

Naftifine (rINN) naf·ti·fën
(E)-Cinnamyl(methyl)(1-naphthyl)methanamine; C₁₉H₂₁N; 65472-88-0
Antifungal

Nagrestipen (rINN) na·gres·ti·pen
A genetically-engineered variant of a naturally occurring stem cell inhibiting protein; macrophage inflammatory protein-1α; 150387-18-1
Protection of bone marrow stem cells

Nalbuphine (rINN) nal·bû·fën
(1) (−)-(5R,6S,14S)-17-Cyclobutylmethyl-4,5-epoxy-6-morphinan-3,6,14-triol; (2) 17-Cyclobutylmethyl-7,8-dihydro-14-hydroxy-17-normorphine; C₁₈H₂₁NO₄; 20594-83-6
Nalbuphine Hydrochloride 21277-43-2
Opioid receptor partial agonist; analgesic

Nalidixic Acid (rINN) na·li·diks·ik
1-Ethyl-1,4-dihydro-7-methyl-4-oxo-1,8-naphthyridine-3-carboxylic acid; C₁₂H₁₂N₂O₃; 389-08-2
Quinolone antibacterial

Nalmefene (rINN) nal·me·fën
(5S)-17-Cyclopropylmethyl-4,5-epoxy-6-methylene-17-normorphinan-3,14-diol; nalmetrene; C₁₉H₂₃NO₃; 55096-26-9
Nalmefene Hydrochloride 58895-64-0
Opioid receptor antagonist

Nalorphine (rINN) nal·or·fën
(1) (−)-(5R,6S,17-Allyl-4,5-epoxymorphin-7-en-3,6-diol; (2) 17-Allyl-17-normorphine; C₁₉H₂₃NO₃; 62-67-9
Nalorphine Hydrobromide 1041-90-3
Opioid receptor antagonist

The symbol ‘¬’ in systematic chemical names signifies line continuation
Naloxegol (rINN) na·loks·e·gol
4,5α-Epoxy-α-[(3,6,9,12,15,18,21-heptaoxadocosan-1-yl)oxy]-17-(prop-2-en-1-yl)morphinan-3,14-diol; C_{34}H_{53}NO_{11}; 854601-70-0
Opioid receptor antagonist; treatment of opioid-induced constipation

Naloxone (rINN) na·loks·ön
(1) (−)-(5R,14S)-17-ALLYL-4,5-epoxy-3,14-dihydroxy-α-morphinan-6-one; (2) 17-ALLYL-6-deoxy-7,8-dihydro-14-hydroxy-6-oxo-17-normorphine; C_{19}H_{21}NO_{4}; 465-65-6
• Naloxone Hydrochloride 51481-60-8
Opioid receptor antagonist

Naltrexone (rINN) nal·treks·ön
(5R)-17-Cyclopropylmethyl-3,14-dihydroxy-4,5-epoxy-α-morphinan-6-one; C_{20}H_{23}NO_{4}; 16590-41-3
• Naltrexone Hydrochloride 16676-29-2
Opioid receptor antagonist

Nandrolone (rINN) nan·dro·lön
17β-Hydroxyestr-4-en-3-one; C_{18}H_{26}O_{2}; 434-22-0
• Nandrolone Cyclohexylpropionate 912-57-2
• Nandrolone Decanoate 360-70-3
• Nandrolone Laurate 26490-31-3
• Nandrolone Phenylpropionate 62-90-8
Anabolic steroid; androgen

Nanterinone (rINN) see Appendix C

Naphazoline (rINN) na·fä·zö·lën
2-(1-Naphthylmethyl)-2-imidazoline; C_{14}H_{14}N_{2}; 835-31-4
• Naphazoline Hydrochloride 550-99-2
• Naphazoline Nitrate 5144-52-5
Alpha-adrenoceptor agonist

Napexen (rINN) na·pek·sen
(S)-2-(6-Methoxy-2-naphthyl)propionic acid; C_{13}H_{14}O_{3}; 22204-53-1
• Napexen Sodium 26159-34-2
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Narasin (rINN) na·ra·sin
2-[6-[5-(5-Ethyltetrahydro-5-hydroxy-6-methylpyran-2-yl)15-hydroxy-2,10,12-trimethyl-1,6,8-trioxadispiro[4.1.5.3]-pentadec-13-en-9-yl]-2-hydroxy-1,3-dimethyl-4-oxoheptyl]-tetrahydro-3,5-dimethylpyran-2-yl]butyric acid; C_{23}H_{32}O_{11}; 55134-13-9
Antiprotozoal (veterinary)

Naratriptan (rINN) na·ra·trip·tan
N-Methyl-2-[3-(1-methylpiperidin-4-yl)indol-5-yl]ethane-α-sulfonamide; C_{17}H_{25}N_{3}O_{2}S; 121679-13-8
• Naratriptan Hydrochloride 121679-19-4
Serotonin 5HT_{1} receptor agonist; treatment of migraine

 Natalizumab (rINN) na·ta·li·zu·mab
Immunoglobulin G 4 (human-mouse monoclonal AN100226 4-chain anti-human integrin 4), disulfide with human-mouse monoclonal AN100226 light chain, dimer; 189261-10-7
Immunomodulator
Natamycin (rINN) nat·a·mi·sin
A polyene antibiotic produced by Streptomyces natalensis; pimaricin; C₃₉H₄₇NO₁₃; 7681-93-8
Antifungal

Nateglinide (rINN) na·te·gli·nïd
N-(trans-4-Isoproplyclohexanecarbonyl-α-phenylalanine; C₁₉H₂₇NO₃; 105816-04-4;
Stimulates insulin release; treatment of diabetes mellitus

Nealbarbital (rINN) në·al·bar·bi·tal
5-Allyl-5-neopentylbarbituric acid; C₁₂H₁₈N₂O₃; 561-83-1
Barbiturate

Nebacumab (rINN) ne·ba·kü·mab
Immunoglobulin M (human monoclonal HA-IA anti-endotoxin), disulfide with human monoclonal HA-IA κ-chain, pentameric dimer; 138661-01-5
Monoclonal antibody (bacterial endotoxin)

Nebivolol (rINN) ne·bi·vo·lol
(lRS,1′RS)-1′-[(2RS,2′SR)-Bis(6-fluorochroman-2-yl)]-2,2′-iminodiethanol; C₁₇H₁₉F₂NO₄; 99200-09-6
Nebivolol Hydrochloride
Beta-adrenoceptor antagonist

Nedocromil (rINN) ne·do·krō·mil
9-Ethyl-6,9-dihydro-4,6-dioxo-1-propyl-4H-pyrano[3,2-g]-quinoline-2,8-dicarboxylic acid; C₂₉H₂₇NO₆; 69049-73-6
Nedocromil Calcium 101626-68-0
Nedocromil Sodium 69049-74-7
Cromone; treatment of asthma; food allergy; allergic conjunctivitis; rhinitis

Nefazodone (rINN) ne·fä·zö·dön
2-(3-[4-(3-Chlorophenyl)piperazin-1-yl]propyl)-5-ethyl-2,4-dihydro-4-(2-phenoxyethyl)-1,2,4-triazol-3-one; C₂₀H₂₂CN₂O₂; 83366-66-9
Nefazodone Hydrochloride 82752-99-6
Monoamine reuptake inhibitor; antidepressant

Nefopam (rINN) ne·fö·pam
(RS)-3,4,5,6-Tetrahydro-5-methyl-1-phenyl-1H-2,5-benzoxazocine; C₁₇H₁₉NO; 13669-70-0
Nefopam Hydrochloride 23327-57-3
Non-opioid analgesic

Nelarabine (rINN) ne·la·ra·bën
2-Amino-9-β-D-arabinofuranosyl)-6-methoxy-9H-purine; C₉H₁₀N₄O₅; 121032-29-9
Purine analogue antineoplastic; treatment of haematological malignancies

The symbol ‘¬’ in systematic chemical names signifies line continuation
Nelfinavir (rINN) nel·fin·a·veer
(3S,4aS,8aS)-N-tert-Butyldecahydro-2-[(2R,3R)-3-(3-hydroxy-o-toluamido)-2-hydroxy-4-(phenylthio)butyl]isoquinoline-3-carboxamide; C₃₅H₄₅N₃O₄S; 159989-64-7
Protease inhibitor; antiviral (HIV)

Netivudine (rINN) see Appendix C

Neocinchophen (rINN) see Appendix C

Neomycin (rINN) në·ö·mï·sin
Antimicrobial aminoglycosides produced by selected strains of Streptomyces fradiae; neomycin B is framycetin; 1404-04-2
• Neomycin Sulfate 1405-10-3
Aminoglycoside antibacterial

Neostigmine (BAN) në·ö·stig·mën
3-(Dimethylcarbamoyloxy)trimethylanilinium ion; C₁₂H₁₉N₂O₂
• Neostigmine Bromide 114-80-7
• Neostigmine Metilsulfate 51-60-5
Cholinesterase inhibitor

Nepafenac (rINN) ne·pá·fen
2-(2-Amino-3-benzoylphenyl)acetamide; C₁₅H₁₄N₂O₂; 78281-72-8;
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Netilmicin (rINN) ne·til·mï·sin
(1) 4-O-[(2R,3R)-cis-3-Amino-6-aminomethyl-3,4-dihydro-2H-pyran-2-yl]-2-deoxy-6-O-(3-deoxy-4-C-methyl-3-methyl-4- amino-β-L-arabinopyranosyl)-1-N-ethylstreptamine;
(2) 2-Deoxy-6-O-[3-deoxy-4-C-methyl-3-methylamino-β-L-arabinopyranosyl]-4-O-(2,6-diamino-2,3,4,6-tetrahydro-o-glycero-hex-4-enopyranosyl)-1-N-ethyl streptamine; (3) α⁵-ethylsissomicin; C₁₉H₂₁N₆O₆; 56391-56-1
• Netilmicin Sulfate (2:5) 56391-57-2
Aminoglycoside antibacterial

Netaobimin (rINN) ne·tö·bi·min
2-[3-Methoxycarbonyl-2-[2-nitro-5-(propylthio) phenyl]-guanidino]ethanesulfonic acid; C₁₉H₁₆N₄O₇S₂; 88253-01-0
Antihelminthic (veterinary)

Neutral Insulin Injection see Insulin Injection

Nevirapine (rINN) ne·vir·ra·pën
11-Cyclopropyl-5,11-dihydro-6H-dipyrido[3,2-b:2´,3´-e][1,4]diazepin-6-one; C₁₅H₁₄N₄O; 129618-40-2
Non-nucleoside reverse transcriptase inhibitor; antiviral (HIV)

Nialamide (rINN) nï·al·a·mïd
N¹-(2-Benzylcarbamoyl)ethyl)isonicotinohydrazide; C₁₉H₁₈N₆O₂; 51-12-7
Monoamine oxidase inhibitor; antidepressant

Nicametate (rINN) see Appendix C

Nicarbazin (BAN) nï·kar·ba·zin
1,3-Bis(4-nitrophenyl)urea-4,6-dimethylpyrimidin-2-ol; C₁₉H₁₄N₂O₂; 330-95-0
Antiprotozoal
Nicardipine (rINN) nį kar-di-pën

**(RS)-2-[Benzyl(methyl)amino]ethyl methyl 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)pyridine-3,5-dicarboxylate; C₂₆H₂₉N₃O₆; 55985-32-5

**Nicardipine Hydrochloride** 54527-84-3
Calcium channel blocker

Nicergoline (rINN) nį ser-go-lën

**(8S)-10-Methoxy-1,6-dimethylergolin-8-ylmethyl 5-bromo-6-nicotinate; C₂₄H₂₆BrN₃O₃; 27848-84-6
Ergot derivative

Nicergoline Hydrochloride 54527-84-3

Nicergoline Hydrobromide 54527-84-3

Niceritrol (rINN) nį se-ri-trol

Pentaerythritol tetranicotinate; C₂₉H₂₄N₄O₈; 5868-05-3
Nicotinic acid derivative; lipid-regulating drug

Nicocodine (rINN) nį kō-kō-dën

(1) (–)-(5R,6S)-4,5-Epoxy-3-methoxy-17-methylmorphin-7-en-6-yl nicotinate; (2) 3-O-Methyl-6-O-nicotinoylmorphine; C₂₃H₂₁N₂O₄; 3688-66-2
Opioid receptor agonist

Nicocodine Hydrochloride 54527-84-3

Nicodidone (rINN) nį kō-dō-dën

(1) (–)-(5R,6S)-4,5-Epoxy-3-methoxy-17-methylmorphinan-6-yl nicotinate; (2) 7,8-Dihydro-3-O-methyl-6-O-nicotinoylmorphine; C₂₃H₂₁N₂O₄; 808-24-2
Cough suppressant

Nicodidone Hydrochloride 54527-84-3

Nicofuranose (rINN) see Appendix C

Nicomorphine (rINN) nį kō-mor-fën

(1) (–)-(5R,6S)-4,5-Epoxy-17-methylmorphin-7-en-3,6-diyl dinitocinate; (2) 3,6-Di-O-nicotinoylmorphine; C₂₉H₂₅N₃O₅; 639-48-5
Opioid receptor agonist

Nicorandil (rINN) nį kō ran-dil

N-[2-(Nitro-oxo)ethyl]nicotinamide; C₇H₈N₃O₄; 65141-46-0
Potassium channel opener; vasodilator

Nicorandil Hydrochloride 54527-84-3

Nicotinamide (rINN) nį kō-ti na mǐd

Pyridine-3-carboxamide; C₆H₄N₂O₂; 98-92-0
Vitamin B component

Nicotinamide Monohydrate 54527-84-3

The symbol ‘¬’ in systematic chemical names signifies line continuation
**Nicotine (BAN)** nǐ-kō-tên
(S)-3-(1-Methylpyrrolidin-2-yl)pyridine; C₁₀H₁₄N₂; 54-11-5
Nicotine Ditartrate 65-31-6
**Nicotine Resinate**
Aid to smoking cessation

**Nicotinic Acid (rINN)** nǐ-kō-tī-nik
Pyridine-3-carboxylic acid; C₆H₅NO₂; 59-67-6
Vitamin B component

**Nicotinyl Alcohol (BAN)** nǐ-kō-tī-nīl
3-Pyridylmethanol; C₆H₇NO; 100-55-0
Nicotinyl Alcohol Tartrate 6164-87-0
Vasodilator

Nicoumalone see Acenocoumarol

**Nifedipine (rINN)** nī-fe-di-pēn
Dimethyl 1,4-dihydropyridine-2,6-dimethyl-4-(2-nitrophenyl)-pyridine-3,5-dicarboxylate; C₁₇H₁₈N₂O₆; 21829-25-4
Calcium channel blocker

**Niflumic Acid (rINN)** nī-flō-mik
2-[[3-(Trifluoromethyl)phenyl]amino]pyridine-3-carboxylic acid; C₁₃H₉F₃N₂O₂; 4394-00-7
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

**Nifuroxazide (rINN)** nī-fū-ro-ks-a-zīd
(E)-4-Hydroxy-N’-[5-nitrofuran-2-yl)methylidene]benzohydrazide; C₁₂H₉N₃O₅; 965-52-6
Antibacterial

**Nifuroquine (rINN)** nī-fū-ro-kwēn
4-(5-Nitro-2-furyl)quinoline-2-carboxylic acid 1-oxide; C₁₄H₈N₂O₆; 57474-29-0
Antibacterial

**Nifursol (rINN)** nī-fūr-sōl
3,5-Dinitro-2’-(5-nitrofururylidene)salicylhydrazide; C₁₃H₉N₃O₆; 16915-70-1
Antifungal
Nifurtimox (rINN) nī fūrtimoks
(RS)-Tetrahydro-3-methyl-4-(5-nitrofurfurylideneamino)-1,4-thiazine 1,1-dioxide; C₁₀H₁₃N₃O₅S; 23256-30-6
Antiprotozoal

Nikethamide (rINN) nī ke-tha mid
N,N-Diethylpyridine-3-carboxamide; C₁₀H₁₄N₂O; 59-26-7
Central nervous system stimulant

Nilestriol (rINN) nī lëstrî ol
3-Cyclopent oxyloxy-19-nor-17α-pregn-1,3,5(10)-tri en-20-yl-16α,17β-diol; C₂₅H₃₂O₃; 39791-20-3
Estrogen

Nilotinib (rINN) nī lō-ti nib
4-Methyl-N-[3-(4-methyl-1H-imidazol-1-yl)-5-(trifluoromethyl)phenyl]-3-[[4-(pyridin-3-yl)pyrimidin-2-yl]amino]benzamide; C₂₈H₂₂F₃N₇O; 641571-10-0
Tyrosine kinase (BCR-ABL) inhibitor; treatment of chronic myeloid leukaemia

Nilprazole (rINN) see Appendix C

Niludipine (rINN) nī lū di-pên
Bis{2-propoxyethyl} 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)pyridine-3,5-dicarboxylate; C₂₅H₂₄N₂O₆; 22609-73-0
Calcium channel blocker

Nimorazole (rINN) see Appendix C

Nintedanib (rINN) nin ti-nab
Methyl (3Z)-3-[(4-[N-methyl-2-(4-methylpiperazin-1-yl)acetamido]phenyl)amino]phenyl methylidene]2-oxo-2,3-n-dihydro-1H-indole-6-carboxylate; C₁₃H₁₉N₃O₆; 656247-18-6
Nintedanib Esilate 656247-18-6
Inhibitor of multiple tyrosine kinases; treatment of non-small cell lung cancer and idiopathic pulmonary fibrosis
Niridazole (rINN) nī·rī·da·zôl
1-(5-Nitro-1,3-thiazol-2-yl)imidazolidin-2-one; C₆H₆N₄O₃S; 61-57-4
Antihelminthic

Nisoldipine (rINN) nī·sol·di·pën
(RS)-Isobutyl methyl 1,4-dihydro-2,6-dimethyl-4-(2-nitrophenyl)pyridine-3,5-dicarboxylate; C₂₀H₂₄N₂O₆; 63675-72-9
Calcium channel blocker

Nitazoxanide (rINN) nī·ta·zoks·a·nïd
2-(5-Nitro-1,3-thiazol-2-ylcarbamoyl)phenyl acetate; C₁₂H₉N₃O₅S; 55981-09-4
Antiprotozoal

Nitrazepam (rINN) nī·trä·ze·pam
1,3-dihydro-7-nitro-5-phenyl-1,4-benzodiazepin-2-one; C₁₅H₁₁N₃O₃; 146-22-5
Benzodiazepine

Nitrefazole (rINN) nī·trē·fâ·zôl
2-Methyl-4-nitro-1-(4-nitrophenyl)imidazole; C₁₀H₉N₄O₄; 21721-92-6
Aldehyde dehydrogenase inhibitor; treatment of alcoholism

Nitrendipine (rINN) nī·tren·di·pën
(RS)-Ethyl methyl 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)pyridine-3,5-dicarboxylate; C₁₈H₂₀N₂O₆; 39562-70-4
Calcium channel blocker

Nitrocefin (BAN) nī·trö·së·fin
(7R)-3-[-(E)-2,4-Dinitrostyryl]-7-(2-thienylacetamido)-3-cephem-4-carboxylic acid; C₂₁H₁₆N₄O₈S₂; 41906-86-9
Nitrocefin Sodium
Detection of beta-lactamase activity in bacteria

Nitrofurantoin (rINN) nī·trö·fûr·an·tō·ïn
1-(5-Nitrofuranylidenamino)hydantoin; C₆H₆N₄O₅; 67-20-9
Antibacterial

Nitrofurazone (rINN) nī·trö·fûr·ra·zōn
5-Nitro-2-furaldehyde semicarbazone; C₆H₇N₄O₃; 59-87-0
Antibacterial; topical antiprotozoal

Nitroscanate (rINN) nī·tros·ka·nät
4-(4-Nitrophenoxy)phenyl isothiocyanate; C₁₃H₁₃N₂O₃S; 19881-18-6
Antihelminthic
Nitrovin (BAN) nĩ trä vin
(1) Bis[2-(5-nitro-2-furyl)vinyl]methylenedihydrazinoformamidine; (2) 1,5-Bis(5-nitro-2-furyl)penta-1,4-dien-3-one amidinohydrazone; C\textsubscript{13}H\textsubscript{12}N\textsubscript{8}O\textsubscript{6}; 804-36-4
Nitrovin Hydrochloride 2315-20-0
*Antibacterial*

Nitroxinil (rINN) nĩ troks-e nil
4-Hydroxy-3-iodo-5-nitrobenzonitrile; C\textsubscript{7}H\textsubscript{3}IN\textsubscript{2}O\textsubscript{3}; 1689-89-0
Nitroxinil Eglumine 27917-82-4
*Antihelmintic*

Nitroxoline (rINN) nĩ trok-ô-len
5-Nitroquinolin-8-ol; C\textsubscript{8}H\textsubscript{5}IN\textsubscript{2}O\textsubscript{3}; 4008-48-4
*Antibacterial*

Nitroxynil see Nitroxinil

Nivimedone (rINN) nĩ vi me dön
5,6-Dimethyl-2-nitroindan-1,3-dione; C\textsubscript{11}H\textsubscript{12}NO\textsubscript{4}; 49561-92-4
Nivimedone Sodium
*Antiallergic*

Nizatidine (rINN) nĩ za ti đen
(1) N-[2-(2-Dimethylaminoethyl-1,3-thiazol-4-ylmethylthio)ethyl-N'-methyl-2-nitrovinylidenediamine; (2) 4-{[1-(Methylamino-2-nitrovinylamino)ethylthiomethyl]-1,3-thiazol-2-ylmethyl}(dimethyl)amine; C\textsubscript{14}H\textsubscript{13}N\textsubscript{5}O\textsubscript{2}S\textsubscript{2}; 76963-41-2
Histamine H\textsubscript{2} receptor antagonist; treatment of peptic ulcer

Nonabine (rINN) nōn a bën
7-[1,2-Dimethylheptyl]-2,2-dimethyl-4-(4-pyridyl)-2H-chromen-5-ol; C\textsubscript{25}H\textsubscript{33}NO\textsubscript{2}; 16985-03-8
Cannabinoid

The symbol ‘¬’ in systematic chemical names signifies line continuation
Nonacog Alfa (rINN) non-a kog al-fa
Blood coagulation factor IX (human), glycoform α;
113478-33-4
Recombinant factor IX

Nonacog Gamma (rINN) non-a kog ga-ma
Variant 011773 (148>T>A) of human coagulation factor IX (EC 3.4.21.22, Christmas factor, plasma thromboplastin component), glycosylated (γ-glycoform); 181054-95-5
Recombinant factor IX

nonacog gamma has the following amino acid sequence:

Nonoxinol (rINN) no-noks-i-nol
α-(4-Nonylphenyl)-so-hydroxypropoxy(poly(oxyethylene))
Each nonoxinol name is followed by a number indicating the approximate number of oxyethylene groups present, eg nonoxinol 4, nonoxinol 9, and the individual chemical names may contain a specific numerical syllable for the same purpose
Norspermatocide

Noradrenaline/Norepinephrine (rINN)
nor-a dre-na-lén/nor-e-pi-ne-frén
(R)-2-Amino-1-(3,4-dihydroxyphenyl)ethanol; C_{9}H_{11}NO_{2}; 51-41-2

Noradrenaline Acid Tartrate/Norepinephrine Acid Tartrate
Norepinephrine Bitartrate;
51-40-1 (anhydrous); 69815-49-2 (monohydrate)

Noradrenaline Hydrochloride/Norepinephrine Hydrochloride
329-56-6
Alpha-adrenoceptor agonist

Norbudrine (rINN) nor-bü-dren
2-Cyclobutylamino-1-(3,4-dihydroxyphenyl)ethanol; C_{8}H_{11}NO_{3}; 15686-81-4
Bronchodilator

Norcodeine (rINN) nor-kö-dén
(1) (−)-(5R,6S)-4,5-Epoxy-3-methoxymorphin-7-en-6-ol;
(2) 3-0-Methyl-17-normorphine; C_{17}H_{19}NO_{3}; 467-15-2
Opioid receptor agonist

Norelgestromin (rINN) nor-el-jes-trö-min
17-Hydroxy-18-homo-19-nor-17α-preg-4-en-20-yn-3-one oxime; C_{27}H_{35}NO_{3}; 53016-31-2
Progestogen

Norethandrolone (rINN) see Appendix C

Norethisterone (rINN) nor-e-the-ste-rön
17β-Hydroxy-19-nor-17α-preg-4-en-20-yn-3-one; norethindrone; C_{20}H_{28}O_{2}; 68-22-4

Norethisterone Acetate 51-98-9
Norethisterone Enantate
Progestogen
Noretynodrel (rINN) see Appendix C

**Norflaxacin** (rINN) nor floks a sin
1-Ethyl-6-fluoro-1,4-di hydro-4-oxo-7-piperazin-1-yl quinoline-3-carboxylic acid; C_{16}H_{18}FN_{3}O_{3}; 70458-96-7
Fluoroquinolone antibacterial

Norflurane (rINN) nor flûr rân
1,1,1,2-Tetrafluoroethane; C_{2}H_{2}F_{4}; 811-97-2
General anaesthetic

**Norgestimate** (rINN) nor jes ti màt
13β-Ethyl-3-hydroxyimino-18,19-dinor-17α-pregn-4-en-20-yn-17β-y1 acetate; C_{23}H_{31}NO_{3}; 35189-28-7
Progestogen

Norgestomet (rINN) see Appendix C

**Norgestrel** (rINN) nor jes trel
rac-13β-Ethyl-17β-hydroxy-18,19-dinor-17α-pregn-4-en-20-yn-3-one; DL-norgestrel; dl-norgestrel; C_{23}H_{29}O_{2}; 6333-00-2
Progestogen

Normethadone (rINN) nor me tha dön
6-Dimethylamino-4,4-diphenylhexan-3-one; C_{28}H_{25}NO; 467-85-6
Opioid receptor agonist

Normorphine (rINN) nor mor fën
(-)-(5R,6S)-4,5-Epoxymorphin-7-en-3,6-diol; C_{16}H_{17}NO_{3}; 466-97-7
Opioid receptor agonist

Norpipanone (rINN) nor pi pà nôn
4,4-Diphenyl-6-piperidinohexan-3-one; C_{23}H_{29}NO; 561-48-8
Opioid receptor agonist

Nortriptyline (rINN) nor trip ti lênn
3-(10,11-Dihydro-5H-dibenz[a,d]cyclohepten-5-ylidene)-3-propyl(methyl)amine; C_{23}H_{27}N; 72-69-5
\*Nortriptyline Hydrochloride 894-71-3
Monoamine reuptake inhibitor; tricyclic antidepressant

Norlevorphanol (rINN) nor le vor fa nol
(-)-Morphinan-3-ol; C_{16}H_{21}NO; 1531-12-0
Opioid receptor agonist

Norletimol (rINN) see Appendix C

Norletimol (rINN) see Appendix C

The symbol ‘¬’ in systematic chemical names signifies line continuation.
Nosantine (rINN) nō-san·tën
9-{{(1R*)-1-[(S*)-1-Hydroxyethyl]heptyl}hypoxanthine; C_{14}H_{22}N_{4}O_{2}; 76600-30-1
*Immunomodulator

Noscapine (rINN) nos·kap·ēn
(3S)-6,7-Dimethoxy-3-{{(5R)-5,6,7,8-tetrahydro-4-methoxy-6-methyl-1,3-dioxolo[4,5-g]isoquinolin-5-yl}phthalide; l-α-narcotine; C_{22}H_{23}NO_{7}; 128-62-1
*Noscapine Hydrochloride 912-60-7
*Opioid receptor agonist; cough suppressant

Nosiheptide (rINN) nō-sī-hep·tîd
A peptide antibiotic obtained from cultures of Streptomyces actuosus 40037 or the same substance obtained by any other means; C_{51}H_{43}N_{13}O_{12}S_{6}; 56377-79-8
Antibacterial

Novobiocin (rINN) nó-vō-bī·ō·sin
An antimicrobial substance produced by Streptomyces niveus and S. spheroides or related organisms; 4-hydroxy-3-{{4-hydroxy-3-{{3-methylbut-2-enyl}benzamido}8-methylcoumarin-7-yl}3-O-carbamoyl-5,5-di-C-methyl-α-L-lyxopyranoside; C_{31}H_{36}N_{2}O_{11}; 303-81-1
Novobiocin Sodium 1476-53-5
Antibacterial

Noxiptiline (rINN) noks·ip·tî·lên
2-(10,11-Dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)-α-amino-oxy)ethyl(dimethylamine; C_{19}H_{32}N_{2}O; 3362-45-6
Noxiptiline Hydrochloride
Monoamine reuptake inhibitor; tricyclic antidepressant

Noxytiolin (rINN) noks·ë·tî·ō·lin
1-Hydroxymethyl-3-methyl-2-thiourea; C_{5}H_{8}N_{2}O_{3}; 15599-39-0
Monoamine reuptake inhibitor; tricyclic antidepressant

Nufenoxole (rINN) nú·fe·noks·ôl
2-{{3-{{2-Azabicyclo[2.2.2]octan-2-yl}-1,1-diphenylpropyl}-5-methyl-1,3,4-oxadiazole; C_{25}H_{29}N_{3}O; 57726-65-5
Inhibitor of fluid secretion

Nupafant (rINN) nú·pa·fant
(S)-N-{{1-Ethoxymethyl-3-methylbutyl}N-{{2-methyl-1H-imidazolo[4,5-c]pyridin-1-yl}-p-toluenesulfonamide; C_{23}H_{32}N_{2}O_{3}S; 139133-27-0
Nupafant Hydrochloride 144736-31-2
Platelet antagonist

Nylestriol see Nilestriol
**Nystatin** (rINN) nystatin
A mixture of polyenes produced by *Streptomyces noursei*;
Nystatin A₁ is 19-(3-amino-3,6-dideoxy-b-D-mannopyranosyl-oxy)-16-carboxy-3,5,7,10,11,15,17,35-octahydroxy-34,36-dimethyl-13-oxooctatriaconta-20,22,24,26,30,32-hexaen-37-olide; 1400-61-9
Antifungal

**Ocaperidone** (rINN) oka·per·i·dön
3-(2-[[4-(6-Fluoro-1,2-benzoxazol-3-yl)piperidino]ethyl]-2,9-dimethylpyrido[1,2-a]pyrimidin-4-one; C₂₄H₂₅FN₄O₂; 129029-23-8
Dopamine receptor antagonist; antipsychotic

**Ocriplasmin** (rINN) ok·ri·plaz·min
Human plasmin heavy chain A-(543-561)-peptide (548-666; 558-566)-bisdisulfide with human plasmin light chain B;
Ocriplasmin is a 249 amino acid protein with a cleaved peptide bond between amino acids 19 and 20. Ocriplasmin is a recombinant protease, derived from human plasmin as a truncated human plasmin heavy chain disulphide bonded with human plasmin light chain; 1048016-09-6
Recombinant proteolytic enzyme; treatment of symptomatic vitreomacular adhesion

Ocriplasmin has the following amino acid sequence:

**Truncated Heavy chain**

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The symbol ‘¬’ in systematic chemical names signifies line continuation
Oestradiol see Estradiol
Oestriol see Estriol
Oestrone see Estrone

Ofatunumab (rINN) off·á·tü·mü·mab
Immunoglobulin G1, anti-(human CD20 (antigen))(human monoclonal HuMax-CD20 heavy chain), disulfide with human monoclonal HuMax-CD20 κ-chain, dimer; 67981-59-8
Monoclonal antibody (lymphocyte CD20); treatment of lymphoproliferative disorders

Ofloxacin (rINN) ö·floks·a·sin
(±)-9-Fluoro-2,3-dihydro-3-methyl-10-(4-methylpiperazin-1-yl)-7-oxo-7H-pyrido[1,2,3-de][1,4]benzoxazine-6-carboxylic acid; C18H20FN3O4; 82419-36-1
Fluoroquinolone antibacterial

Olaflur (rINN) o·la·flûr
2,2´-{3-[N-(2-Hydroxyethyl)octadecylamino]propylimino}Ø diethanol dihydrofluoride; C27H58N2O3,2HF; 6818-37-7; 17671-49-1 (base)
Fluoride analogue

Olanzapine (rINN) ö·lan·za·pën
2-Methyl-4-(4-methylpiperazin-1-yl)-10H-thieno[2,3-b][1,5]-benzodiazepine; C17H20N4S; 132539-06-1
Dopamine D2 receptor antagonist; serotonin 5HT2 receptor antagonist; antipsychotic

Olaparib (rINN) ö·la·pa·rib
4-[[3-[(4-(Cyclopropylcarbonyl)piperazin-1-yl)carbonyl]-4-fluorophenyl]methyl]phthalazin-1(2H)-one; C24H23FN4O3; 763113-22-0
Poly(ADP-ribose) polymerase (PARP) inhibitor; antineoplastic
Olmesartan Medoxomil (rINN) 144689-63-4
2,3-Dihydroxy-2-butenyl 4-(1-hydroxy-1-methylethyl)-2-propyl-1-{p-(1H-tetrazol-5-ylphenyl)benzyl}imidazole-5-carboxylate, cayncglicio 2te,3n-scina rIbI orneacete
Angiotensin II (AT₁) receptor antagonist

Olodaterol (rINN) ö·lö·da·ter·ol
6-Hydroxy-8-(1R,1-hydroxy-2-{1-(4-methoxyphenyl)-2-methylpropan-2-yl}amino)ethyl]-2H-1,4-benzoxazin-3(4H)-one; C₂₁H₂₆N₂O₅; 868049-49-4
Olodaterol Hydrochloride 869477-96-3
Beta₂-adrenoceptor agonist; bronchodilator

Olopatadine (rINN) o·lö·pa·tad·ên
(Z)-11-[3-(Dimethylamino)propylidene]-6,11-dihydrodibenz[b,e]oxepin-2-ylacetic acid; C₂₁H₂₃NO₃; 113806-05-6
Olopatadine Hydrochloride 140462-76-6
Histamine H₁ receptor antagonist; treatment of allergic conjunctivitis

Olsalazine (rINN) ol·sa·la·zën
5,5’-Azodisalicylic acid; C₁₄H₁₀N₂O₆; 15722-48-2
● Olsalazine Sodium 6054-98-4
Aminosalicylate; treatment of ulcerative colitis

Omalizumab (rINN) ö·ma·liz·üm·ab
Monoclonal antibody (immunoglobulin E)

Omapatrilat (rINN) ö·ma·pa·tri·lat
(4S,7S,10aS)-Octahydro-4-[(S)-3-phenyl-2-sulfanylpropan¬amido]-5-oxo-7H-pyrido[2,1-b][1,3]thiazepine-7-carboxylic acid; C₁₉H₁₁N₂O₈S₂; 167305-00-2
Endopeptidase inhibitor; treatment of hypertension

Ombitasvir (rINN) om·bi·tas·veer
Dimethyl N,N’-[(2S,5S)-1-(4-tert-butylyphenyl)pyrrolidine-2,5-diy][bis{4,1-phenylene}carbamoyle[(2S)-pyrrolidine-2,1-diy][2S)-3-methyl-1-oxobutane-1,2-diy]]biscarbamate; C₂₀H₇N₄O₆; 1258226-87-7
Antiviral (hepatitis C)

Omega-3 Marine Triglycerides (BAN)
A mixture of the triglycerides of the fatty acids from marine fish containing the equivalent of about 18% of eicosapenta-5,8,11,14,17-enoic acid and 12% of docosahexa-4,7,10,13,16,19-enoic acid
Lipid-regulating drug

● Omeprazole (rINN) ö·me·pra·zôl
5-Methoxy-2-(4-methoxy-3,5-dimethyl-2-pyridylmethylsulfinyl)benzimidazole; C₁₇H₁₉N₃O₃S; 73590-56-6
● Omeprazole Sodium 95510-70-6
● Omeprazole Magnesium 95382-33-5
Proton pump inhibitor; treatment of peptic ulcer disease

Ondansetron (rINN) on·dan·se·tron
(RS)-1,2,3,9-Tetrahydro-9-methyl-3-(2-methylimidazol-1-ylmethyl)carbazol-4-one; C₁₉H₁₉N₂O; 99614-02-5
● Ondansetron Hydrochloride 103639-04-9
Serotonin 5HT₃ antagonist; treatment of nausea and vomiting
Opebacan (rINN) ő peb·a·kan
132-l-Alanine-1–193-bactericidal/permeability-increasing protein (human); 206254-79-7
Bactericidal; permeability increasing protein

opebacan has the following amino acid sequence:

```
VNPGVVVRS QKGLDVASQQ GTAALQKELK
RIKIPDYDSS FKIKHLKGGH YSFYSDMIRE
GQLSSQISIM VNPNGLKPSI SNANIKSIGK
WKAQKRFLKM SGNFDLSIEG MSIASDLKLG
SNFTSGKPTI TASSCHSSIN SVVHVISVSK
VGLIALQFHK KIESALRNKM NSQCEKVTN
SVSETQPYF QTL
```

Opipramol (rINN) ő pi·pra·mol
2-[4-(3-5H-Dibenzo[b,f]azepin-5-ylpropyl)piperazin-1-yl]-ethanol; C23H29N3O; 315-72-0
Opipramol Hydrochloride 909-39-7
Monoamine reuptake inhibitor; tricyclic antidepressant

Orbicloxacin (rINN) or·bi·flok·a·sin
1-Cyclopropyl-7-(cis-3,5-dimethylpiperazin-1-yl)-5,6,8-trifluoro-4-oxo-1,4-dihydroquinoline-3-carboxylic acid; C19H20F3N3O3; 113617-63-3;
Antibacterial

Orlistat (rINN) or·li·stat
(S)-1-((2S,3S)-3-Hexyl-4-oxo-oxetan-2-ylmethyl)dodecyl N-formyl-l-leucinate; C33H53NO5; 96829-38-2
Lipase inhibitor; treatment of obesity
Orotic Acid (rINN) o·rō·tīk
1,2,3,6-Tetrahydro-2,6-dioxopyrimidine-4-carboxylic acid; C₅H₄N₂O₄; 65-86-1
Naturally occurring intermediate in the synthesis of pyrimidine nucleotides

Orphenadrine (rINN) or·fe·na·drēn
Dimethyl-2-(2-methylbenzhydryloxy)ethylamine; C₁₈H₂₃NO; 83-98-7
• Orphenadrine Citrate 4682-36-4
• Orphenadrine Hydrochloride 341-69-5
Anticholinergic

Oseltamivir (rINN) ö·sel·ta·mi·veer
Ethyl (3R,4R,5S)-4-acetamido-5-amino-3-(1-ethylpropoxy)cyclohex-1-ene-1-carboxylate; C₁₆H₂₈N₂O; RO 640796; 196618-13-0
Treatment of influenza

Ospemifene (rINN) os·pe·mi·fēn
2-[(4R,5S)-4-Chloro-1,2-diphenylbut-1-enyl]phenoxy)ethanol; C₂₄H₂₅ClO₂; 128607-22-7
Selective estrogen receptor modulator

Ostreogrycin (rINN) see Appendix C

Oteracil (rINN) ö·te·rä·sil
4,6-Dioxo-1,4,5,6-tetrahydro-1,3,5-triazine-2-carboxylic acid; C₅H₄N₂O₄; 937-13-3
Dihydropyrimidine dehydrogenase inhibitor; adjuvant to therapy with fluoropyrimidines such as tegafur

Otilonium Bromide (rINN) o·ti·lö·nē·um
Diethyl(methyl){2-[(4-2-octyloxybenzamido)benzoyloxy]ethyl}ammonium bromide; C₂₉H₄₁BrN₂O₄; 26095-59-0
Smooth muscle relaxant

Ovandrotone Albumin (rINN) ö·vand·rä·tōn•äl·bü·min
Pentadecakis- to pentatriacontakis[3-(3,17-dioxoandrost-4-en-7α-ythio)propionyl]albumin, [human serum]
To increase fecundity in ewes

Ox Bile (BAN)
An alcoholic extract of ox bile reduced by evaporation and containing bile salts
Pancreatic insufficiency

Oxacillin (rINN) oks·a·si·lin
6-(5-Methyl-3-phenyl-1,2-oxazole-4-carboxamido)penicillanic acid; C₁₉H₁₉N₃O₅S; 66-79-5
• Oxacillin Sodium 1173-88-2 (anhydrous);
  7240-38-2 (monohydrate)
Penicillin antibacterial

The symbol ‘¬’ in systematic chemical names signifies line continuation
• Oxaliplatin (rINN) oksˈə-li plaˈtin
[(1R,2R)-1,2-Cyclohexanediamine-N,Nˈ][oxalato(2−)]−
platinum; C_{12}H_{14}N_{2}O_{4}Pt; 61825-94-3
Platinum-containing antineoplastic

Oxamniquine (rINN) see Appendix C

Oxandrolone (rINN) oksˈandəˌlōn
17β-Hydroxy-17α-methyl-2-oxa-5α-androstan-3-one;
C_{19}H_{30}O_{3}; 53-39-4
Anabolic steroid; androgen

Oxantel (rINN) oksˈan-tel
(E)-β-[(1,4,5,6-Tetrahydro-1-methylpyrimidin-2-yl)styren-3-ol;
C_{13}H_{16}N_{2}O; 36531-26-7
Oxantel Embonate 42408-84-4
Antihelminthic

Oxaprozin (rINN) oksˈə-pröˈzin
3-(4,5-Diphenyl-1,3-oxazol-2-yl)propionic acid; C_{18}H_{15}NO_{3};
21256-18-8
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Oxazepam (rINN) oksˈä·ze·pam
(RS)-7-Chloro-1,3-dihydro-3-hydroxy-5-phenyl-1,4-benzodiazepin-2-one; C_{15}H_{12}ClN_{2}O_{2}; 604-75-1
Benzodiazepine

• Oxcarbazepine (rINN) oksˈkar·bä·zeˈpên
10,11-Dihydro-10-oxo-5H-dibenzo[b,f]azepine-5-carboxamide;
C_{18}H_{14}N_{2}O_{2}; 28721-07-5
Antiepileptic

Oxcarbazine (rINN) oksˈkar·bä·zeˈpên
10,11-Dihydro-10-oxo-5H-dibenzo[b,f]azepine-5-carboxamide;
C_{18}H_{14}N_{2}O_{2}; 28721-07-5
Antiepileptic

Oxcarbazepine (rINN) oksˈkar·bä·zeˈpên
10,11-Dihydro-10-oxo-5H-dibenzo[b,f]azepine-5-carboxamide;
C_{18}H_{14}N_{2}O_{2}; 28721-07-5
Antiepileptic

Oxerutins (BAN) oksˈə-rōˈtins
A mixture of 5 different O-(β-hydroxyethyl) rutosides, not less
than 45% of which is troxerutin
Treatment of venous disorders

Oxetacaine (rINN) oksˈe·taˈkän
2,2′-(2-Hydroxyethylimino)bis[6-(α,α-Dimethylphenethyl)-
N-methylacetamide]; C_{28}H_{34}N_{3}O_{4}; 126-27-6
Local anaesthetic
Oxfendazole (rINN) oks·fen·da·zôl
Methyl 5-(phenylsulfinyl)-1H-benzimidazol-2-ylcarbamate; C_{15}H_{13}N_{3}O_{3}S; 53716-50-0
Antihelminthic

Oxenicine (rINN) oks·fe·ni·sën
(S)-2-(4-Hydroxyphenyl)glycine; C_{8}H_{9}NO_{3}; 32462-30-9
Carnitine-acyl transferase I inhibitor

Oxibendazole (rINN) oks·ë·ben·da·zôl
Methyl 5-propoxy-1H-benzimidazol-2-ylcarbamate; C_{12}H_{15}N_{3}O_{3}; 20559-55-1
Antihelminthic

Oxiconazole (rINN) oks·ë·ko·na·zôl
2’-4’-Dichloro-2-(imidazol-1-yl)acetophenone (Z)-O-(2,4-dichlorobenzyl) oxime; C_{18}H_{13}Cl_{4}N_{3}O; 64211-45-6
Oxiconazole Nitrate 64211-46-7
Antifungal

Oxipurinol (rINN) oks·ë·pûr·ri·nol
1H-Pyrazolo[3,4-d]pyrimidine-4,6-diol; C_{3}H_{2}N_{2}O_{2}
Xanthine oxidase inhibitor; treatment of gout

Oxidronic Acid (rINN) ok·së·dro·nik
(Hydroxypropyl)-diphosphonic acid; CH_{3}O_{2}P; 15468-10-7
Sodium Oxidronate 14255-61-9 (2Na)
Bisphosphonate; labelled with 99mTc for bone scanning

Oxiracetam (rINN) oks·ë·ra·se·tam
(1) (RS)-2-(4-Hydroxy-2-oxopyrrolidin-1-yl)acetamide;
(2) (RS)-N-Carboxoylmethyl-3-hydroxybutane-4-lactam;
C_{8}H_{13}N_{2}O_{2}; 62613-82-3
Nootropic

Oxitropium Bromide (rINN) oks·ë·trö·pi·um
(1R,3s,5,8r,7,5s,8r)-8-Ethyl-3-[(S)-tropoyloxy]-6,7-epoxytropanium bromide; C_{19}H_{26}BrNO_{4}; 30286-75-0
Anticholinergic; reversible airways obstruction

Oxolinic Acid (rINN) oks·ö·lin
5-Ethyl-5,8-dihydro-8-oxo-1,3-dioxolo[4,5-g]quinoline-7-carboxylic acid; C_{9}H_{11}NO_{3}; 14698-29-4
Antibacterial

The symbol ‘¬’ in systematic chemical names signifies line continuation
Oxoprostol (rINN) oks·ö prost·ol
(1) trans-2-(7-Hydroxyheptyl)-3-(3-oxo-4-phenoxybutyl) cyclopentanone; (2) trans-1-Hydroxy-16-phenoxy-o-tetranor-prostane-9,15-dione; C_{22}H_{31}O_5; 69648-40-4
Prostaglandin
and enantiomer

Oxycodone (rINN) oks·dön
(1) (−)(5R,14S)-4,5-Epoxo-14-hydroxy-3-methoxy-17-methylmorphinan-6-one; (2) 6-Deoxy-7,8-dihydro-14-hydroxy-3-O-methyl-6-oxomorphone; C_{16}H_{17}NO_4; 76-42-6
*Oxycodone Hydrochloride 124-90-3
Opioid receptor agonist; analgesic

Oxpentifylline see Pentoxifylline

Oxprenolol (rINN) oks·pr·o·lol
1-O-Allyloxyphenoxy-3-isopropylaminopropan-2-ol; C_{15}H_{23}NO_3; 6452-71-7
*Oxprenolol Hydrochloride 6452-73-9
Beta-adrenoceptor antagonist

Oxybutynin (rINN) oks·ë·ti·nin
4-Diethylaminobut-2-ynyl 2-cyclohexyl-2-phenylglycolate; C_{22}H_{31}NO_3; 5633-20-5
*Oxybutynin Hydrochloride Oxybutynin chloride; 1508-65-2
Anticholinergic

Oxyclozanide (rINN) oks·ö·klö·zän·id
3,3’,5,5’,6-Pentachloro-2'-hydroxysalicylanilide; C_{13}H_{16}Cl_5NO_3; 2277-92-1
Antihelminthic
● Oxymetholone (rINN) okš·em·thé·löń
17β-Hydroxy-2-hydroxymethylene-17α-methyl-5α-androstan-3-one; C₂₃H₃₂O₃; 434-07-1
Anabolic steroid; androgen

Oxymorphone (rINN) okš·mor·fön
(1) (–)-(5R,14S)-4,5-Epoxy-3,14-dihydroxy-17-methylmorphinan-6-one; (2) 6-Deoxy-7,8-dihydro-14-hydroxy-6-oxomorphine; C₁₇H₂₉NO₄; 76-41-5
Opioid receptor agonist

Oxypertine (rINN) okš·per·tën
5,6-Dimethoxy-2-methyl-3-[2-(4-phenylpiperazin-1-yl)]ethyl indole; C₂₀H₂₉N₂O₂; 153-87-7
Oxypertine Hydrochloride 40523-01-1
Dopamine receptor antagonist; antipsychotic

Oxyphenbutazone (rINN) see Appendix C

Oxyphenycyclimine (rINN) okš·fe·n'i·klë·mën
1,4,5,6-Tetrahydro-1-methylpyrimidin-2-ylmethyl a-cyclohexylmandelate; C₂₀H₂₈N₂O₃; 125-53-1
Anticholinergic

Oxyphenisatine (rINN) okš·fe·n'i·sa·tën
3,3-Bis(4-hydroxyphenyl)indol(2-1)-one; C₂₀H₁₅NO₃; 125-13-3
Oxyphenisatine Diacetate 115-33-3
Stimulant laxative

The symbol ‘−’ in systematic chemical names signifies line continuation
Pactimibe (rINN) pak·ti·mib
[7-(2,2-Dimethylpropanamido)-4,6-dimethyl-1-octylindolin-5-yl]acetic acid; C_{25}H_{40}N_{2}O_{3}; 189198-30-9
Inhibitor of acyl-CoA cholesterol acyltransferase; lipid-regulating drug

Paliperidone (rINN) pa·li·per·i·dön
rac-3-{(2-[4-(6-Fluoro-1,2-benzoxazol-3-yl)piperidin-1-yl]ethyl)-9-hydroxy-2-methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimidin-4-one; C_{23}H_{27}FN_{4}O_{3}; 144598-75-4
Dopamine D_{2} receptor antagonist; serotonin 5HT_{2} receptor antagonist; antipsychotic

Palivizumab (rINN) pa·li·viz·ü·mab
Immunoglobulin G 1 (human-mouse monoclonal MEDI-493y1-chain antirespiratory syncytial virus protein F), disulfide with human-mouse monoclonal MEDI-493k1-chain, dimer
Monoclonal antibody (respiratory syncytial virus)

Palmitic Acid (rINN) pa·mi·ti·nik
3-Amino-1-hydroxypropylidenebis(phosphonic acid); C_{3}H_{11}NO_{7}P_{2}; 40391-99-9

Pancreatin (BAN) pan·krë·a·tin
A preparation of mammalian pancreas containing enzymes having protease, lipase and amylase activity; 8049-47-6
Enzyme; treatment of pancreatic exocrine deficiency

Pancreozymin (BAN) see Appendix C

Palifermin (rINN) pa·li·fer·min
Human fibroblast growth factor-(24-163)-peptide; C_{724}H_{1147}N_{2}O_{206}S_{9}; 162394-19-6
Keratinocyte growth factor; treatment of mucositis

Palifermin has the following amino acid sequence:

```
SYDYNEM GEIRVEELFC
NTQKVLYDQ RQKVRGTQFM KNNYNIMEIR TVAVGIVAIK
GVESEFYLM NEKGLYAKK ECWEDCNEKE LILENHYNTY
ASAKTHIKGC EMTVALNQEG IPVRGKETKK EQETAHFLPM
```

Palimetro (rINN) pak·ti·metro

Pamidronic Acid (rINN) pa·mi·dro·nik
Bisphosphonate; treatment of osteolytic lesions; Paget’s disease; hypercalcemia of malignancy

Pancreatin (BAN) pan·krë·a·tin
A preparation of mammalian pancreas containing enzymes having protease, lipase and amylase activity; 8049-47-6
Enzyme; treatment of pancreatic exocrine deficiency

Pancreozymin (BAN) see Appendix C

Pancuronium Bromide (rINN) pan·kûr·ö·num
1,1’-(3a,17b)-Diacetoxy-5a-androstan-2,16b-ylenebis(1-methylpiperidinium) dibromide; C_{35}H_{60}Br_{2}N_{2}O_{4}; 15500-66-0
Non-depolarizing neuromuscular blocker
Panidazole (rINN) see Appendix C

Panitumumab (rINN) pa·ni·tū·mū·mab
Immunoglobulin, anti-(human epidermal growth factor receptor) (human monoclonal ABX-EGF heavy chain), disulfide with human monoclonal ABX-EGF light chain, dimer; 339177-26-3.
Monoclonal antibody (EGFR); metastatic colorectal carcinoma

Panitumumab has the following amino acid sequence:

Heavy Chain (Gamma):
QQLQESGPGL VLPSSETHSL TCTVGSGNV3 SGGYWSKWR
QSPQOELM1 CHYSSGNTN WFSKLELTL SDIGEKTOP
SLKLSSVTAA DCTALYCVRD XTGAFDING QGYNVVSAA
STKGSFVQFL TAALCRLVQD YFFPPYTVSW
N3GALTSGVH TFPVQLQSGG LSLS3SVTV PSSNFOTQY
TCN5NLKPSN TINKTVKRY CCVEZPFFCA PTVAGFSVPL
FPNKPKOTLM ISKTYEIVCV TVJGJQHEUPL VQIHNLYGV
EVNNATXQX3 EQQSNSTFVY VQLYVHQQD WLMKGEYCK
VSNKGLFAP1 EC15SKTQG QJXQWY5LF PLHMLMXTQO
VSLTCLVQF YFSDIAVEWE SKQFENYK TTTPEL3NG
SRFLYSKLTU SKSWQSSGHY FSCSNHYAL HNHYQKSLS
LSFQX

Light chain (Kappa):
D1MQQSQSSS LSAVGDVRVT TCTQNSQDTS NY1NWYQQKP
GKAPQKLY0 AQPQGQTGF3 SGSSGSGQD TT1TSQLOP
EDTATYQFWQ FAMLABQ5S GTWVJKN5V AAPPVFFFP
SDEQLKSTGA SVQCLINNY FRVAVVQRKY DNALQOSNSQ
PSTVQCOX5C STY1SLSTLT 1SNVDFYROHK YVAQVFCHQG
LSSPYTKSFN RGEC

Panthenol (rINN) pan·the·nol
(±)-2,4-Dihydroxy-N-(3-hydroxypropyl)-3,3-dimethyl-β-butyramide; panthenoyl alcohol; C₂₀H₂₀N₂O₄; 17307-32-3
Panthenolic acid analogue

Panoprazole (rINN) pan·to·pra·zöl
5-Difluoromethoxybenzimidazol-2-yl 3,4-dimethoxy-2-pyridylmethyl sulfoxide; C₁₆H₁₅F₂N₃O₅S; 102625-70-7
● Pantoprazole Sodium 164579-32-2
Proton pump inhibitor; treatment of peptic ulcer disease

Pantothenic Acid (BAN) pan·to·thē·nik
(R)-N-(2,4-Dihydroxy-3,3-dimethylbutyryl)-β-alanine; C₂₅H₂₃NO₅; 79-83-4
● Calcium Pantothenate 137-08-6
Vitamin B component

Panuramine (rINN) pan·û·ra·mën
(1) 1-Benzoyl-3-[1-(2-naphthylmethyl)4-piperidyl]urea; (2) N-[1-(2-Naphthylmethyl)piperidin-4-ylaminocarbonyl]benzamide;
C₂₄H₂₅N₃O₄; 80349-58-2
Panuramine Hydrochloride 80349-03-7
Monoamine reuptake inhibitor; antidepressant

Papaveretum (BAN) pa·pa·ve·rë·tum
A mixture of 253 parts of morphine hydrochloride, 23 parts of papaverine hydrochloride and 20 parts of codeine hydrochloride; 8002-76-4
Opioid receptor agonist; analgesic

Papaverine (BAN) pa·pa·ve·rën
1-(3,4-Dimethoxybenzyl)-6,7-dimethoxyisoquinoline; C₁₆H₁₄NO₄; 58-74-2
● Papaverine Hydrochloride 61-25-6
Phosphodiesterase inhibitor; smooth muscle relaxant

Paracetamol (rINN) pa·ra·set·a·mol
4′-Hydroxyacetanilide; C₈H₉NO₂; 103-90-2
Analgesic; antipyretic

The symbol ‘¬’ in systematic chemical names signifies line continuation
Parecoxib (rINN) pa·re·koks·ib
N-[4-(5-Methyl-3-phenyl-1,2-oxazol-4-yl)phenylsulfonyl]propanamide; C_{19}H_{18}N_{2}O_{4}S; 198470-84-7
Parecoxib Sodium
Cyclo-oxygenase (COX-2) inhibitor; analgesic; anti-inflammatory

Paramethadione (rINN) see Appendix C

Paramethasone (rINN) pa·ra·me·tha·sön
6α-Fluoro-11β,17α,21-trihydroxy-16α-methylpregna-1,4-diene-3,20-dione; C_{32}H_{35}FO_{5}; 53-33-8
Paramethasone Acetate 1597-82-6
Glucocorticoid

Parathyroid Hormone (rINN) pa·ra·thï·roid
Nonglycosylated human parathyroid hormone, the origin should be indicated between brackets after the INN, for example (r. E.coli) for the recombinant produced Escherichia coli; 345663-45-8
Hormone
parathyroid hormone has the following amino acid sequence:

H-Ser-Val-Ser-Glu-Ile-Gln-Leu-Met-
His-Asn-Leu-Gly-Lys-His-Leu-Asn-
Ser-Met-Glu-Arg-Val-Gly-Trp-Leu-
Arg-Lys-Leu-Gln-Asp-Val-His-
Asn-Phe-Val-Ala-Leu-Gly-Ala-Pro-
Leu-Ala-Pro-Arg-Asp-Ala-Gly-Ser-
Gln-Arg-Pro-Arg-Lys-Glu-Asp-
Asn-Val-Leu-Val-Glu-Ser-His-Glu-
Lys-Ser-Leu-Gly-Ala-Asp-Lys-
Asp-Val-Asn-Val-Leu-Thr-Lys-
Asa-Lys-Ser-Gln-OM

Parbendazole (rINN) par·ben da zól
Methyl 5-butybenzimidazol-2-ylcarbamate; C_{13}H_{17}N_{3}O_{2}; 14255-87-9
Antihelminthic

Parbendazole

Pargyline (rINN) par·ji·lën
Benzyi(methylprop-2-ynyl)amine; C_{19}H_{15}N; 555-57-7
Pargyline Hydrochloride 306-07-0
Monoamine oxidase inhibitor; antidepressant

Paritaprevir (rINN) pa·ri·ta·pre·veer
(2R,6S,12Z,13αS,14αR,16αS)-N-(Cyclopropanesulfonyl)-6-(5-methylpyrazin-2-carboxamido)-5,16-dioxo-2-(phenanthridin-6-yloxy)-1,2,3,6,7,8,9,10,11,13a,14,15,16,16a-tetradecahydro-14aH-cycloprop[a]pyrrolo[1,2-a][1,4]diazacyclopentadecine-14a(5H)-carboxamide; C_{40}H_{43}N_{7}O_{7}S; 1216941-48-8
Serine protease inhibitor; antiviral (hepatitis C)

Paromomycin (rINN) pa·rö·mö·mï·sin
Antimicrobial aminoglycosides produced by Streptomyces rimosus var. paromomycinus; 7542-37-2
Aminoglycoside antibacterial

Paroxetine (rINN) pa·rox·ë·ten
5-[(3S,4R)-4-p-Fluorophenyl-3-piperidinylmethoxy]-1,3-benzodioxole; C_{19}H_{19}FNO_{2}; 61869-08-7
Paroxetine Hydrochloride 78246-49-8 (anhydrous); 110429-35-1 (hemihydrate)
Selective serotonin reuptake inhibitor; antidepressant
Parvaquone (rINN) see Appendix C

**Pasireotide** (rINN) pa·si·rë·ö·tïd
Cyclo[(4R)-4-(2-aminoethylcarbamoyloxy)-L-prolyl-L-phenylglycyl-L-tryptophyl-L-lysyl-L-phenylalanyl]-; C₃₆H₄₆N₁₀O₉; 360691-73-9
**Pasireotide Acetate** 396091-76-2
**Pasireotide Aspartate** 396091-77-3
Somatostatin analogue; treatment of Cushing’s disease

Pasireotide has the following amino acid sequence:

![Pasireotide Molecule](image)

Pazopanib (rINN) pa·zop·á·nib
5-[(4-[(2,3-Dimethyl-2H-indazol-6-yl)methylamino]-pyrimidin-2-yl)amino]-2-methylbenzenesulfonamide; C₂₁H₂₃N₇O₂S; 444731-52-6
**Pazopanib Hydrochloride** 635702-64-6
Inhibitor of multiple tyrosine kinases; treatment of renal cell carcinoma

Pazopanib has the following amino acid sequence:

![Pazopanib Molecule](image)

Pecazine (rINN) see Appendix C

Pecilocin (rINN) see Appendix C

Pefloxacin (rINN) pe·floks·a·sin
1-Ethyl-6-fluoro-1,4-dihydro-7-(4-methylpiperazin-1-yl)-4-oxoquinoline-3-carboxylic acid; C₁₇H₂₀FN₃O₃; 70458-92-3
**Pefloxacin Mesilate** 70458-95-6
Antibacterial

Pegaptanib (rINN) pe·gap·ta·nib
5'-Ester of (2'-deoxy-2'-fluoro)C-Gm-Gm-A-A-(2'-deoxy-2'-fluoro)U-Gm-Gm-Am-Am-(2'-deoxy-2'-fluoro)U-Gm-(2'-deoxy-2'-fluoro)U-C-Gm-Am-Am-(2'-deoxy-2'-fluoro)U-Am-Gm-3’-dT with α,α’-[[(1S,3S)-1-[(5 phosphonoxy)pentamethylenyl]pentane-1,5-diyl][bis(mimocarbonyl)][bis(oxyethylene-1,2-diyl)]; C₂₉₆H₁₇₆F₁₃₁₅O₁₈₈P₂₈[CH₄O]₉
Vascular endothelial growth factor; inhibitor of angiogenesis

The symbol ‘¬’ in systematic chemical names signifies line continuation
**Peginterferon Alfa-2b** (rINN) peg in·ter·feer·ron
Pegylated, recombinant interferon alfa-2b

**Cytokine**

*Peginterferon alfa-2b* has the following amino acid sequence:

\[
(\text{N}) \text{CDLPQTHSGL} \text{SRRTMLLAQ} \text{MRRISLSFCGL}
\]

\[
\text{KDRHDFGFPPQ} \text{EEFQGFQDKA} \text{ETIPVLHEMI}
\]

\[
\text{QQQINFLSTK} \text{DSSAAKDET} \text{LDKFYTELYQ}
\]

\[
\text{QLNDELACVI} \text{QQGVVTETPL} \text{MKEISIAVR}
\]

\[
\text{KYQFRITLYL} \text{KEKKYSFCAW} \text{EVRAEMRS}
\]

\[
\text{FLSTNLQES} \text{LASKE}
\]

*potential pegylation site*

**Peginterferon Beta-1a** (rINN) peg in·ter·feer·ron

\[N^2\text{-}1\text{-}[(2\text{RS})\text{-}2\text{-}Methyl-3\text{-}[\omega\text{-}methoxypoly(oxyethylene)]propyl}\text{] human interferon beta (fibroblast interferon, IFN-beta) glycosylated, expressed in mamalian cells; 1211327-92-2\]

**Cytokine**

*Peginterferon beta-1a* has the following amino acid sequence:

\[
\text{MSTYNLMLFLQ} \text{RSSNQGCQKL} \text{LMQNLNGREY}
\]

\[
\text{CLKWMMWQDI} \text{PEEBQIKLOQF} \text{QEKAALTYL}
\]

\[
\text{EMPLQIAFIF} \text{RQIDSSSTGW} \text{ETIENLIAN}
\]

\[
\text{VYQINHILKT} \text{VLEKKEKED} \text{FTRGKLMSL}
\]

\[
\text{HLLRYYGRL} \text{HLYKAKEYSH} \text{CASTTURVEI}
\]

\[
\text{LHNFYPILLR} \text{TYLRN}
\]

*glycosylation sites*

\[M = N\text{-}pegMet\]

\[\text{and epimer at } C^*\]

\[S = O\text{-}phospho\text{Ser}\]

**Pegvisomant** (rINN) peg vi·zø·mant

18L-Aspartic acid-21L-asparagine-120L-lysine-167L-asparagine-168L-alanine-171L-serine-172L-arginine-174L-serine-179L-threonine growth hormone (human), reaction product with polyethylene glycol; 218620-50-9; *Growth hormone analogue*

**Pegvisomant** has the following amino acid sequence:

\[\text{CDLPQTHSGL} \text{SRRTMLLAQ} \text{MRRISLSFCGL} \text{KDRHDFGFPPQ} \text{EEFQGFQDKA} \text{ETIPVLHEMI} \text{QQQINFLSTK} \text{DSSAAKDET} \text{LDKFYTELYQ} \text{QLNDELACVI} \text{QQGVVTETPL} \text{MKEISIAVR} \text{KYQFRITLYL} \text{KEKKYSFCAW} \text{EVRAEMRS} \text{FLSTNLQES} \text{LASKE}
\]

*pegylation sites*

**Pemetrexed** (rINN) pe·me·trex·ed

\[N\{4\{-2\{-2\{-Amino-4,7-dihydro-4-oxo-1H-pyrrolo[2,3-d]pyrimidin-5-yl\}benzoyl\}L-glutamic acid; C_{29}H_{21}N_{5}O_{6}\}; 137281-23-3\]

*Pemetrexed Disodium* 150399-23-8

Thymidylate synthetase inhibitor; antineoplastic

**Pemoline** (rINN) see Appendix C

**Pempidine** (rINN) pen·pi·dën

1,2,6,6-Pentamethylpiperidine; C_{10}H_{21}N; 79-55-0

Ganglion blocker

**Penaceillin** (rINN) see Appendix C

**Penbutolol** (rINN) pen·bü·to·lol

(S)-1-tert-Butylamino-3-(2-cyclopentylphenoxy)propan-2-ol; C_{18}H_{29}NO_{2}; 38363-40-5

*Penbutolol Sulfate* 38363-32-5

Beta-adrenoceptor antagonist

**Penciclovir** (rINN) pen·si·klö·veer

9\{4-Hydroxy-3-(hydroxymethyl)butyl\}guanine; C_{19}H_{23}N_{5}O_{5}; 39809-25-1

Purine nucleoside analogue; antiviral (herpes viruses)
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Formula</th>
<th>Molecular Weight</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pentecamaine</td>
<td>rINN</td>
<td>See Appendix C</td>
<td></td>
</tr>
<tr>
<td>Pentedetide</td>
<td>pen·de·tïd</td>
<td>Glycyl-l-tyrosyl-N’-[N-(2-[2-[bis(carboxymethyl)amino]-ethyl(carboxymethyl)amino]ethyl)-N-(carboxymethyl)glycyl]-l-lysine; C₃₅H₴₇N₇O₁₄</td>
<td>Molecule for linking radio-labels to monoclonal antibodies for diagnostic purposes</td>
</tr>
<tr>
<td>Penetide</td>
<td>pen·de·tïd</td>
<td>Glycyl-l-tyrosyl-N’-[N-(2-[2-[bis(carboxymethyl)amino]-ethyl(carboxymethyl)amino]ethyl)-N-(carboxymethyl)glycyl]-l-lysine; C₃₅H₴₇N₇O₁₄</td>
<td>Molecule for linking radio-labels to monoclonal antibodies for diagnostic purposes</td>
</tr>
<tr>
<td>Penethamate</td>
<td>pen·ethämät</td>
<td>2-diethylaminoethyl 6-(2-phenylacetamido)penicillanate; C₂₂H₃₁N₃O₄S</td>
<td>Penethamate Hydriodide 808-71-9 Penicillin antibacterial (veterinary)</td>
</tr>
<tr>
<td>Penfluridol</td>
<td>pen·flûr·ri·dol</td>
<td>4-(4-Chloro-3-trifluoromethylphenyl)-1-[4,4-bis(4-fluorophenyl)butyl]piperidin-4-ol; C₂₈H₂₇ClF₅NO; 26864-56-2</td>
<td>Dopamine receptor antagonist; antipsychotic</td>
</tr>
<tr>
<td>Penicillamine</td>
<td>pe·ni·si·la·mën</td>
<td>3,3-dimethyl-d-cysteine; d-penicillamine; C₅H₁₁NO₂S; 52-67-5</td>
<td>Disease-modifying antirheumatic drug; chelating agent; treatment of Wilson’s disease; heavy metal poisoning; cystinuria</td>
</tr>
<tr>
<td>Penicillinase</td>
<td>rINN</td>
<td>See Appendix C</td>
<td></td>
</tr>
<tr>
<td>Pentacosactride</td>
<td>(BAN) pen·ta·co·sät·rïd</td>
<td>2,2-Bis(hydroxymethyl)propane-1,3-diol tetranoate;</td>
<td>Vasodilator</td>
</tr>
<tr>
<td>Pentacynium Metilsulfate</td>
<td>(BAN) see Appendix C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pentagastatin</td>
<td>(rINN) pen·ta·gä·strë·tin</td>
<td>tert-Butyloxy carbonyl-[β-Ala¹³]gastrin-(13-17)-pentapeptide amide; C₁₉H₂₉N₄O₅S; 5534-95-2</td>
<td>Gastrin analogue</td>
</tr>
<tr>
<td>Pentalamide</td>
<td>rINN</td>
<td>See Appendix C</td>
<td></td>
</tr>
<tr>
<td>Pentamethonium Bromide</td>
<td>(rINN) pen·ta·me·thö·në·num</td>
<td>N,N’-Pentamethylenbis (trimethylammonium) dibromide; C₁₁H₂₈Br₂N₂; 541-20-8</td>
<td>Ganglion blocker</td>
</tr>
<tr>
<td>Pentamethonium Iodide</td>
<td>(rINN) see Appendix C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pentamidine</td>
<td>rINN</td>
<td>see Appendix C</td>
<td></td>
</tr>
<tr>
<td>Pentamidine Isetionate</td>
<td>40-64-7</td>
<td></td>
<td>Antiprotozoal</td>
</tr>
<tr>
<td>Pentapiperide</td>
<td>(rINN) pen·ta·pi·per·rïd</td>
<td>1-Methylpiperidin-4-yl 3-methyl-2-phenylvalerate; C₁₈H₂₂NO₂; 7009-54-3</td>
<td>Anticholinergic</td>
</tr>
</tbody>
</table>
Pentaquine (rINN) pen-ta-kwën
5-Isopropylaminopentyl(6-methoxy-8-quinolyl)amine; C₁₉H₂₇N₃O₈ 86-78-2
Antiprotozoal; treatment of malaria

Pentastarch (rINN) pen-та-starch
A starch in which more than 90% of the amylopectin has been etherified to the extent that on average 4 or 5 of the-OH groups present in every 10 d-glucopyranose units of the starch polymer have been converted to -OCH₂CH₂OH groups; 9005-27-0
Plasma volume expander

Pentazocine (rINN) pen-ta-zoe-sên
(1) (2R*,6R*,11R*)-1,2,3,4,5,6-Hexahydro-6,11-dimethyl-3-(3-methylbut-2-enyl)-2,6-methano-3-benzazocin-8-ol; C₁₉H₂₇NO 359-83-1
(2) 17-(3-Methylbut-2-enyl)-6,7-dinormorphinan-3-ol; C₁₉H₂₇NO 359-83-1
• Pentazocine Hydrochloride 64024-15-3
• Pentazocine Lactate 17146-95-1
Opioid receptor agonist; analgesic

Pentetic Acid (rINN) pen-te-tik
(Carboxymethyliminobis(ethylenenitrilo)tetra-acetic acid; C₃₄H₃₈N₄O₁₀ 67-43-6
Molecule used in radio-labelled form in diagnostic studies

Pentetrazol (rINN) pen-te-tra-zol
6,7,8,9-Tetrahydro-5H-tetrazolo[4,5-a]azepine; leptazol; C₄₂H₃₄N₄O₂ 54-95-5
Respiratory stimulant

Pentetrotide (rINN) pen-te-troh-tid
N-[2-[[2-Bis(carboxymethyl)aminophenyl]ethyl)](carboxymethyl)—aminophenyl]glucyl-L-DL-lysyl-L-DL-threonyl-L-DL-cysteinyl-(2R,3R)-threoninol cyclic disulfide (S=S); C₆₃H₈₇N₁₃O₁₉S₂ 138661-02-6
Somatostatin analogue; diagnostic aid for neuroendocrine tumours

Pentetrazol (rINN) pen-te-tra-zol
6,7,8,9-Tetrahydro-5H-tetrazolo[4,5-a]azepine; leptazol; C₄₂H₃₄N₄O₂ 54-95-5
Respiratory stimulant

Pentetrotide (rINN) pen-te-troh-tid
N-[2-[[2-Bis(carboxymethyl)aminophenyl]ethyl)](carboxymethyl)—aminophenyl]glucyl-L-DL-lysyl-L-DL-threonyl-L-DL-cysteinyl-(2R,3R)-threoninol cyclic disulfide (S=S); C₆₃H₈₇N₁₃O₁₉S₂ 138661-02-6
Somatostatin analogue; diagnostic aid for neuroendocrine tumours

Pentolamprollinum Tartrate (rINN) pen-to-lam-prō-lin-um
dihydrogen tartrate; C₂₂H₂₀N₂O₅ 52-62-0
Ganglion blocker

Penthochloral (rINN) pen-thri-klor-ral
5,5-Bis(hydroxymethyl)-2-trichloromethyl-1,3-dioxane; C₆H₁₂N₂O₂ 5684-90-2
Hypnotic

Pentoxifylline (rINN) pen-ti-fi-len-ē
1-Hexyl-3,7-dimethylxanthine; C₁₃H₂₉N₄O₂ 1028-33-7
Vasodilator

Pentobarbital (rINN) pen-tō-bar-bi-tal
5-Ethyl-5-(1-methylbutyl)barbituric acid; C₁₁H₁₈N₂O₃ 76-74-4
Barbiturate

Pentamine (BAN) pen-thi-va-nāt
2-Diethylaminomethyl-2-cyclopentyl-2-(2-thiethyl)glycolate; C₁₉H₂₇N₂O₂ 22064-27-3
Anticholinergic
Pentosalen (BAN) pen·tö·sa·len

9-(3-Methylbut-2-enyloxy)furo[3,2-g]chromen-7-one; ammidin;
C_{16}H_{14}O_{4}; 482-44-0
Aid to dermal pigmentation

Pentosan Polysulfate Sodium (rINN) pen·tö·san po·lë·sul·fät
A mixture of the sodium salts of linear polymers of (1→4)-β-D-xylopyranan usually sulfated at the 2-and 3-positions and occasionally (approximately 1 in every 10 residues) substituted at the 2-position with a (4-O-methyl-2,3-di-O-sulfonato-β-D-glucopyranosyluronic acid) group; the average molecular weight lies between 4000 and 6000 with a total molecular weight range of 1000 to 40000; 140207-93-8
Heparinoid fibrinolytic

Pentostatin (rINN) pen·tö·sta·tin
1,2-Dideoxy-1-[(R)-3,6,7,8-tetrahydro-8-hydroxyimidazo[4,5-d][1,3]diazepin-3-yl]-β-erythro-pentofuranose; covidarabine; 2'-deoxycoformycin; deoxycoformycin; C_{11}H_{19}N_{4}O_{5}; 53910-25-1
Purine analogue and adenosine deaminase inhibitor; treatment of haematological malignancies

Perampanel (rINN) pe·ram·pa·nel
2-(6'-Oxo-1'-phenyl-1',6'-dihydro[2,3'-bipyridin]-5'-yl)benzonitrile; C_{23}H_{18}N_{3}O; 380917-97-5
AMPA glutamate receptor antagonist at post-synaptic neurons; antiepileptic

The symbol ‘¬’ in systematic chemical names signifies line continuation
Peratizole (rINN) see Appendix C

**Perfluamine (rINN)** per·flu·a·mén
Tris(heptafluoropropl)amine; C₆F₁₈N; 338-83-0
Perfluorocarbon artificial oxygen carrier

F₃CF₂CF₂CF₂CF₂CF₃

**Perfluamene (rINN)** per·flu·a·mën
Perfluorodecahydronaphthalene; C₁₀F₁₈; 306-94-5
Perfluorocarbon artificial oxygen carrier

**Perflutren (rINN)** per·flut·ren
Octafluoropropane; C₈F₈; 76-19-7
Imaging agent

**Perflunafene (rINN)** per·flun·a·fën
Perfluorodecahydronaphthalene; C₁₀F₁₈; 306-94-5
Perfluorocarbon artificial oxygen carrier

**Perfluorocarbon artificial oxygen carrier**

**Perflutren (rINN)** per·flut·ren
Octafluoropropane; C₈F₈; 76-19-7
Imaging agent

**Peridopril (rINN)** per·di·pril
\((2S,3aS,7aS)-1-N\{-[(S)-1-(Ethoxy carbonyl)butyl]-1-alanyl\}→ perhydroindole-2-carboxylic acid; C₁₉H₂₃N₂O₅; 82834-16-0

Perindopril Erbumine 107133-36-8
Perindopril Arginine
Angiotensin converting enzyme inhibitor

**Perindoprilat (rINN)** per·di·pril·at
\((2S,3aS,7aS)-1-N\{-[(S)-1-Carboxybutyl]-1-alanyl\}→ perhydroindole-2-carboxylic acid; C₁₉H₂₃N₂O₅; 95153-31-4; S-9780
Angiotensin converting enzyme inhibitor

**Perindoprilat (rINN)** per·di·pril·at
\((2S,3aS,7aS)-1-N\{-[(S)-1-Carboxybutyl]-1-alanyl\}→ perhydroindole-2-carboxylic acid; C₁₉H₂₃N₂O₅; 95153-31-4; S-9780
Angiotensin converting enzyme inhibitor

**Perlipine (rINN)** see Appendix C

**Permethrin (rINN)** per·mëth·rin
3-Phenoxybenzyl *(1RS,3RS)-(1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; C₂₁H₂₀Cl₂O₃;
52645-53-1
Insecticide

**Perphenazine (rINN)** per·fen·a·zên
2-[4-[3-(2-Chlorophenothiazin-10-yl)piperyl]piperazin-1-yl]→ ethanol; C₁₉H₁₆ClN₂O₅; 58-39-9
Dopamine receptor antagonist; antipsychotic
Pertuzumab (rINN) per·too zū·mab
Immunoglobulin G1, anti-(human neu (receptor))
(human-mouse monoclonal 2C4 heavy chain), disulfide with
human-mouse monoclonal 2C4 k-chain, dimer; 380610-27-5
Monoclonal antibody (HER-2)

pertuzumab has the following amino acid sequence:

```
DIQMTQSPSS LSASVGRVT ITCKASQVS
IGAVWQQKP GRKPKLLIYS ASRYTGVPS
RFSGSSSGTD FTLTSSLQF EDPATYYCQQ
YYIYPTFQG GTKVIEKRTV AAPSVFIFFP
SDEQLKSGA SVVCLNNFY PRAAVQKLV
DNLQSGNSQ ESVTQDKSD STYSLSTLTT
LSKADYEHKK VYACEVTHQG LSSPVTKSFN
RGE
```

Pexelizumab (rINN) peks·e·li·zū·mab
Immunoglobulin, anti-(human complement C5 α-chain) (human-
mouse monoclonal 5G1.1-SC single chain); 219683-93-5
Monoclonal antibody (CD-5 complement)

Plerixafor (rINN) ple·riks·á·for
1,1’-(1,4-phenylenebismethylene)bis(1,4,8,11-
tetraazacyclotetradecane);C26H34N8; 110078-46-1;
CXCR4 chemokine receptor antagonist; immunostimulant

Phanquinone (rINN) fan·kwi·nön
4,7-Phenanthroline-5,6-dione; C12H8N2O2; 84-12-8
Antiprotozoal

Phenacemide (rINN) fen·a·kem·id
Ethyl 1-methyl-4-phenylpiperidine-4-carboxylate; C12H15NO2;
57-42-1

Phenacetin (rINN) see Appendix C

Phenadoxone (rINN) see Appendix C

Phenaglycodol (rINN) fen·a·glï·kö·dol
2-(4-Chlorophenyl)-3-methylbutane-2,3-diol; C11H15ClO2;
79-93-6
Anxiolytic; sedative

The symbol ‘¬’ in systematic chemical names signifies line continuation
Phenazocine (rINN) see Appendix C

Phenazone (rINN) fen·ä·zön
2,3-Dimethyl-1-phenyl-3-pyrazolin-5-one; antipyrene; C₁₁H₁₂N₂O; 60-80-0
Analgesic; used to test hepatic drug-metabolizing activity

Phenazopyridine (rINN) see Appendix C

Phencyclidine (rINN) see Appendix C

Phendimetrazine (rINN) fen·di·me·tra·zën
(2S,3S)-3,4-Dimethyl-2-phenylmorpholine; C₁₂H₁₇NO; 634-03-7
Appetite suppressant

Phenelzine (rINN) fen·el·zën
Phenethylhydrazine; C₈H₁₂N₂; 51-71-8

Phenelzine Sulfate 156-51-4
Monoamine oxidase inhibitor; antidepressant

Phenethicillin see Pheneticillin

Phenethyl Alcohol (BAN)
2-Phenylethanol; C₈H₁₀O; 60-12-8
Disinfectant

Pheneturide (rINN) fen·e·tûr·rïd
(2-Phenylbutyryl)urea; ethylphenacemide (pINN); C₁₁H₁₄N₂O₂; 90-49-3
Antiepileptic

Phenformin (rINN) see Appendix C

Phenglutarimide (rINN) see Appendix C

Phenindamine (rINN) fen·in·da·mën
(RS)-2,3,4,9-Tetrahydro-2-methyl-9-phenyl-1H-indeno[2,1-c]-pyridine; C₁₄H₁₄N₂; 82-88-2
Phenindamine Tartrate 569-59-3
Histamine H₁ receptor antagonist; antihistamine

Phenindione (rINN) fen·in·dï·ön
2-Phenylindan-1,3-dione; C₉H₈O₂; 83-12-5
Oral anticoagulant (indanedione)

Pheniprazine (rINN) fen·i·pra·zën
α-Methylphenethylhydrazine; C₉H₁₄N₂; 55-52-7
Monoamine oxidase inhibitor

Pheniramine (rINN) fen·î·ra·mën
Dimethyl[3-phenyl-3-(2-pyridyl)propyl]amine; C₁₆H₂₀N₂; 86-21-5
Pheniramine Maleate 132-20-7
Histamine H₁ receptor antagonist; antihistamine

Phenmetrazine (rINN) see Appendix C
- **Phenobarbital** (rINN) фё·nö·bar·bi·tal
  5-Ethyl-5-phenylbarbituric acid; C₁₀H₁₂N₂O₃; 50-06-6
- **Phenobarbital Sodium** 57-30-7
  Barbiturate

**Phenobutidil** (rINN) фё·nö·bü·di·dil
2-(2,4,6-Tri-iodophenoxy)butyric acid; C₁₀H₉I₃O₃; 554-24-5
Iodinated X-ray contrast medium

**Phenolphthalein** (rINN) фё·nol·fthä·lën
3,3-Bis(4-hydroxyphenyl)phthalide; C₂₀H₁₄O₄; 77-09-8
Stimulant laxative

**Phenolsulfonphthalein** (BAN) фё·nol·sul·fon·fthä·lën
4,4´-(3H-2,1-Benzoxathiol-3,3-diyl)diphenol S,S-dioxide; C₁₉H₁₄O₅S; 143-74-8
Measurement of renal function; marker in drug absorption studies

**Phenolsulphonphthalein** see Phenolsulfonphthalein

**Phenomorphan** (rINN) фё·nö·mor·fan
(-)-17-Phenethylmorphinan-3-ol; C₂₄H₂₉NO; 468-07-5
Opioid receptor agonist

**Phenoxybenzamine** (rINN) фё·noks·ë·ben·za·mën
Benzyl(2-chloroethyl)(1-methyl-2-phenoxyethyl)amine; C₁₈H₂₂ClNO; 59-96-1
- **Phenoxybenzamine Hydrochloride** 63-92-3
  Alpha-adrenoceptor antagonist

**Phenoxybenzamine Hydrochloride** see Appendix C

**Phenoxypropazine** see Fenoxypropazine

**Phenoprobamate** (rINN) фё·nprü·ba·mät
3-Phenylpropyl carbamate; C₁₀H₁₃NO₂; 673-31-4
Skeletal muscle relaxant; anxiolytic

The symbol ‘¬’ in systematic chemical names signifies line continuation
Phenprocoumon (rINN) fen prō-kū·mon
4-Hydroxy-3-(1-phenylpropyl)coumarin; C_{18}H_{16}O_{3}; 435-97-2
Vitamin K epoxide reductase inhibitor; oral anticoagulant (coumarin)

Phensuximide (rINN) fen·sux·i·mid
(RS)-N-Methyl-2-phenylsuccinimide; C_{11}H_{11}NO_{2}; 486-34-0
Antiepileptic

Phentermine (rINN) fen·ter·mën
α,α-Dimethylphenethylamine; C_{10}H_{15}N; 122-09-8
Amphetamine analogue; appetite suppressant

Phentolamine (rINN) fen·to·la·mën
3-[[N-(2-Imidazolin-2-ylmethyl)p-toluidino]phenol; C_{17}H_{19}N_{3}O; 50-60-2
• Phentolamine Mesilate 65-28-1
  Alpha-adrenoceptor antagonist

Phenyramidol see Fenamisal

Phenylbutazone (rINN) fē-nil·bū·ta·zōn
4-Butyl-1,2-diphenylpyrazolidine-3,5-dione; C_{19}H_{20}N_{2}O_{2}; 50-33-9
Cyclo-oxygenase inhibitor; pyrazolone analgesic

Phenytoin (rINN) fen·ë·tō·in
5,5-Diphenylimidazolidine-2,4-dione; C_{16}H_{12}N_{2}O_{2}; 57-41-0
• Phenytoin Sodium 630-93-3
  Antiepileptic

Phloroglucinol (BAN) flor·ö·gloo·sin·ol
Benzene-1,3,5-triol; C_{6}H_{6}O_{3}; 108-73-6
Antispasmodic
**Pholcodine** (rINN) *fol*kö·dën

(1) \((-\cdash-5R,6S)\)-4-Epoxy-17-methyl-3-(2-morpholino-\(\alpha\)ethoxy) morphin-7-en-6-ol; (2) 3-O-(2-Morpholinoethyl)\(\alpha\) morphine; \(C_{23}H_{30}N_2O_4\); 509-67-1

Opioid receptor agonist; cough suppressant

**Pholedrine** (rINN) *fol*e·drën

4-(2-Methylaminopropyl)phenol; \(C_{10}H_{15}NO\); 370-14-9

Adrenoceptor agonist

**Phosmet** (BAN) *fos*met

\(O,O\)-Dimethyl \(\Delta\)-phthalimidomethyl phosphorodithioate; \(C_{11}H_{12}NO_4PS_2\); 732-11-6

Organophosphorus insecticide

**Phoxim** (rINN) *foks*im

\(O,O\)-Diethyl (a-cyanobenzylideneamino-\(\alpha\)oxy)\(\alpha\) phosphorothionate; \(C_{12}H_{15}N_2O_3PS\); 14816-18-3

Ectoparasiticide; insecticide

**Phthalylsulfacetamide** (BAN) see Appendix C

**Phthalylsulfathiazole** (rINN) *ftha·lïl·sul·fa·thï·a·zôl*

4´-(1,3-Thiazol-2-ylsulfamoyl)phthalanilic acid; \(C_{17}H_{13}N_3O_5S_2\); 85-73-4

Antibacterial

**Physostigmine** (BAN) *fi sö stig·mën*

\(3aS,8aR\)-1,2,3,3a,8,8a-Hexahydro-1,3a,8-trimethylpyrrolo-\(\alpha\)indol-5-yl methylcarbamate; eserine; \(C_{13}H_{21}N_2O_2\); 57-47-6

**Physostigmine Salicylate** 57-64-7

**Physostigmine Sulfate** 64-47-1

Cholinesterase inhibitor

**Phytomenadione** (rINN) *fi tø men a dî ön*

A mixture of 2-methyl-3-[(2E,7R,11R)-3,7,11,15-tetramethylhexadeca-2-enyl]naphthalene-1,4-dione and \(\beta\)-2Z-\(\beta\)-isomer; vitamin K\(\alpha\); \(C_{32}H_{46}O_8\); 84-80-0

Vitamin K analogue

**Piboserod** (rINN) *pï bö se·rod*

\(N\)\-[1-Butyl-4-piperidyl]methyl]-3,4-di hydro-2H-[1,3 \(\alpha\)] oxazino[3,2-\(\alpha\)]indole-10-carboxamide; \(C_{22}H_{31}N_3O_2\); 152811-62-6

**Piboserod Hydrochloride** 178273-87-5

Serotonin 5HT\(\alpha\) receptor antagonist; irritable bowel syndrome

**Picloxidine** (rINN) *pi kloks ê dên*

1,1´-[Piperazine-1,4-diybis(carbonimidoyl)]bis(3-p-chloro-\(\alpha\)phenylguanidine); \(C_{20}H_{24}ClN_{16}O_{16}\); 5636-92-0

Disinfectant

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The symbol ‘\(\alpha\)’ in systematic chemical names signifies line continuation
Picoplatin (rINN) pë-kö-pla-tin
cis-Amminedichloro(2-methylpyridine)platinum(II); C₆H₁₀Cl₂N₂Pt; 181630-15-9
Platinum-containing antineoplastic

Picotamide (rINN) pë-kö-ta·mëd
N,N’-Bis(3-pyridylmethyl)-4-methoxyisophthalamide; C₂₁H₂₀N₄O₃; 32828-81-2
Thromboxane synthetase inhibitor; thromboxane receptor antagonist; antiplatelet agent

Picumast (rINN) see Appendix C

Picumeterol (rINN) pë-ku-me-te·rol
(R)-1-(4-Amino-3,5-dichlorophenyl)-2-{6-[2-(2-pyridyl)ethoxy]hexyl amino} ethanol; C₂₁H₂₉Cl₂N₃O₂
Beta₂-adrenoceptor agonist; bronchodilator

Pidolic Acid (rINN) pë-dol·ik
(1) (S)-5-Oxopyrrolidine-2-carboxylic acid; (2) 5-Oxo-L-proline; C₅H₇NO₃; 98-79-3
Magnesium Pidolate 62003-27-4
Source of magnesium

Pifenate (rINN) see Appendix C

Pilocarpine (BAN) pë-lô-kar-pën
(1) (2S,3R)-α-Ethyl-β-(1-methyl-1H-imidazol-5-ylmethyl)-γ-butyrolactone; (2) (3S,4R)-3-Ethyl-4,5-dihydro-4-{(1-methyl-1H-imidazol-5-yl)methyl}furan-2(3H)-one; C₁₁H₁₆N₂O₂; 92-13-7
Pilocarpine Hydrochloride 54-71-7
Pilocarpine Nitrate 148-72-1
Cholinocceptor agonist; treatment of glaucoma

Pimecrolimus (rINN) pë-me-krö-lë-mus
(35,4R,5S,8R,9E,12S,14S,15R,16S,18R,19R,26aS)-3-{{(E)-2-[(1R,3R,4S)-4-Chloro-3-methoxycyclohexyl]-1-methylvinyl]-8-ethyl-5,6,8,11,12,13,14,15,16,17,18,19,24,25,26a-hexadecahydro-5,19-dihydroxy-14,16-dimethoxy-4,10,12,18-tetramethyl-15,19-epoxy-3H-pyrido[2,1-c][1,4]oxa-azacyclotricosine-1,7,20,21(4H,21H)-tetrone; C₃₄H₄₈ClNO₁₃; 137071-32-0
Calcineurin inhibitor; immunosuppressant

Pimonidazole (rINN) see Appendix C

Pimobendan (rINN) pë-mo·be·dan
6-[2-(4-Methoxyphenyl)-4,5-dihyrobenzimidazol-5-yl]-5-methylpyridazin-3(2H)-one; C₁₉H₁₈N₄O₂; 118428-36-7
Inhibitor of phosphodiesterase type III; calcium sensitizer

Pimozide (rINN) pë-mô·zïd
1-{1-[4,4´-bis(fluorophenyl)butyl]-4-piperidyl}-1,3-dihydrobenzimidazol-2-one; C₁₉H₁₅F₂N₃O; 2062-78-4
Dopamine receptor antagonist; antipsychotic
Pindolol (rINN) pin·do·lol
1-(Indol-4-yl)-3-isopropylaminopropan-2-ol; C14H20N2O2; 13523-86-9
Beta-adrenoceptor antagonist

Pioglitazone (rINN) pï·ö·gli·ta·zön
rac-5-{4-[2-(5-Ethylpyridin-2-yl)ethoxy]phenyl}methyl]-1,3-thiazolidine-2,4-dione; C23H20N2O; 111025-46-8

Pioglitazone Hydrochloride 112529-15-4
Peroxisome proliferator-activated receptor (PPAR)-gamma agonist; treatment of diabetes mellitus

Pipamazine (rINN) see Appendix C

Pipamperone (rINN) pi·pam·pe·rön
1-[3-(4-Fluorobenzoyl)propyl]-4-piperidinopiperidine-4-carboxamide; C21H30FN3O2; 1893-33-0
Dopamine receptor antagonist

Pipazetate (rINN) pi·pa·ze·tät
2-(2-Piperidinoethoxy)ethyl pyrido[3,2-b][1,4]benzothiazine-10-carboxylate; C21H25N3O3S; 2167-85-3
Cough suppressant

Pipemidic Acid (rINN) pi·pe·mi·dik
8-Ethyl-5,8-dihydro-5-oxo-2-(piperazin-1-yl)pyrido[2,3-d] pyrimidine-6-carboxylic acid; C14H17N3O2; 51940-44-4; 72571-82-5 (trihydrate)
Antibacterial

Pipenzolate Bromide (rINN) see Appendix C

Piperacillin (rINN) pi·pe·ra·si·lin
6-[(R)-2-(4-Ethyl-2,3-dioxopiperazine-1-carboxamido)-2-phenylacetamido]penicillanic acid; C35H31N5O7S; 59703-84-3

Piperacillin Sodium
Penicillin antibacterial

Piperazine Calcium Edetate (rINN)
Calcium piperazine-1,4-diylium ethylenediaminetetra-acetate; C13H24CaN4O8; 12002-30-1
Antihelminthic

Piperidolate (rINN) pi·pe·ri·dö·lät
(RS)-1-Ethyl-3-piperidyl diphenylacetate; C21H25NO2; 82-98-4

Piperidolate Hydrochloride 129-77-1
Anticholinergic

The symbol ‘¬’ in systematic chemical names signifies line continuation
Piperocaine (rINN) pi·pe·rö·kän
(\(RS\))-3-(2-Methylpiperidino)propyl benzoate; \(C_{16}H_{23}NO_2; 136-82-3\)
Local anaesthetic

\[
\begin{align*}
\text{O} & \quad \text{O} \\
\text{Me} & \quad \text{N} \\
\end{align*}
\]

Piperonyl Butoxide (BAN) pi·pe·ro·nïl bü·toke·ïd
5-[2-(2-tert-Butoxyethoxy)ethoxymethyl]-6-propyl-1,3-benzodioxole; \(C_{19}H_{30}O_5; 51-03-6\)
Insecticide

\[
\begin{align*}
\text{O} & \quad \text{O} \\
\text{O} & \quad \text{O} \\
\text{Bu} & \quad \text{O} \\
\end{align*}
\]

Piperoxan (rINN) see Appendix C

Pipotiazine (rINN) pi·pö·tï·a·zën
10-{3-[4-(2-Hydroxyethyl)piperidino]propyl}-N,N-dimethyl-\(\phi\)phenothiazine-2-sulfonamide; \(C_{24}H_{33}N_3O_3S_2; 39860-99-6\)
Dopamine receptor antagonist; antipsychotic

\[
\begin{align*}
\text{S} & \quad \text{NMe} \\
\text{N} & \quad \text{OH} \\
\end{align*}
\]

Pipoxolan (rINN) see Appendix C

Pipradrol (rINN) see Appendix C

Piprinhydrinate (rINN) see Appendix C

Piracetam (rINN) pi·ra·së·tam
2-(2-Oxopyrrolidin-1-yl)acetamide; \(C_6H_{10}N_2O_2; 7491-74-9\)
Nootropic; cortical myoclonus

\[
\begin{align*}
\text{NH}_2 & \quad \text{O} \\
\text{N} & \quad \text{O} \\
\end{align*}
\]

Pirfenidone (rINN) pir·fen·i·dön
5-Methyl-1-phenylpyridin-2(1\(H\))-one; \(C_{12}H_{13}NO; 53179-13-8\)
Treatment of idiopathic pulmonary fibrosis

\[
\begin{align*}
\text{OH} & \quad \text{Me} \\
\end{align*}
\]

Pirbuterol (rINN) see Appendix C

Pireperone (rINN) see Appendix C

Pirenzepine Hydrochloride 29868-61-7
Muscarinic \(M_3\) receptor antagonist

\[
\begin{align*}
\text{HN} & \quad \text{O} \\
\text{N} & \quad \text{Me} \\
\end{align*}
\]

Piretanide (rINN) pi·re·ta·nïd
4-Phenoxy-3-pyrrolidin-1-yl-5-sulfamoylbenzoic acid; \(C_7H_4NO_3S; 55837-27-9; \text{Hoe 118}\)
Thiazide diuretic

\[
\begin{align*}
\text{O} & \quad \text{Me} \\
\end{align*}
\]

Piridoxilate (rINN) pi·ri·doks·i·lät
2-(5-Hydroxy-4-hydroxymethyl-6-methyl-3-pyridylmethoxy)glycolic acid—2-[4,5-bis(hydroxymethyl)-2-methyl-3-pyridyloxy]glycolic acid (1:1); \(C_{20}H_{26}N_2O_{12}; 24340-35-0\)
Vasodilator

\[
\begin{align*}
\text{OH} & \quad \text{OH} \\
\text{OH} & \quad \text{OH} \\
\end{align*}
\]

Pirazolac (rINN) pi·ra·zö·lak
4-(4-Chlorophenyl)-1-(4-fluorophenyl)pyrazol-3-ylacetic acid; \(C_{17}H_{12}ClFN_2O_2; 71002-09-0\)
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

\[
\begin{align*}
\text{Cl} & \quad \text{NH} \\
\text{N} & \quad \text{COOH} \\
\end{align*}
\]
Pirimiphos-ethyl (BAN) *pir-im-i-fos-ë-thil*
*O*(2-Diethylamino-6-methylpyrimidin-4-yl) *O*,*O*-diethyl phosphorothioate; C₁₃H₂₄N₃O₃PS; 23505-41-1
*Organophosphorus insecticide*

Pirimiphos-ethyl

Pirimiphos-ethyl (BAN) *pir-im-i-fos-ë-thil*
*O*(2-Diethylamino-6-methylpyrimidin-4-yl) *O*,*O*-diethyl phosphorothioate; C₁₃H₂₄N₃O₃PS; 23505-41-1
*Organophosphorus insecticide*

Pirimiphos-ethyl

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*O*(2-Diethylamino-6-methylpyrimidin-4-yl) *O*,*O*-diethyl phosphorothioate; C₁₃H₂₄N₃O₃PS; 23505-41-1
*Organophosphorus insecticide*

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*Organophosphorus insecticide*

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*Organophosphorus insecticide*

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*Organophosphorus insecticide*

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*Organophosphorus insecticide*

Pirimiphos-ethyl

Pirimiphos-ethyl (BAN) *pir-im-i-fos-ë-thil*
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*Organophosphorus insecticide*

Pirimiphos-ethyl

Pirimiphos-ethyl (BAN) *pir-im-i-fos-ë-thil*
*O*(2-Diethylamino-6-methylpyrimidin-4-yl) *O*,*O*-diethyl phosphorothioate; C₁₃H₂₄N₃O₃PS; 23505-41-1
*Organophosphorus insecticide*

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Pirimiphos-ethyl (BAN) *pir-im-i-fos-ë-thil*
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*Organophosphorus insecticide*

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Pirimiphos-ethyl (BAN) *pir-im-i-fos-ë-thil*
*O*(2-Diethylamino-6-methylpyrimidin-4-yl) *O*,*O*-diethyl phosphorothioate; C₁₃H₂₄N₃O₃PS; 23505-41-1
*Organophosphorus insecticide*

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Pirimiphos-ethyl (BAN) *pir-im-i-fos-ë-thil*
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*Organophosphorus insecticide*

Pirimiphos-ethyl

Pirimiphos-ethyl (BAN) *pir-im-i-fos-ë-thil*
*O*(2-Diethylamino-6-methylpyrimidin-4-yl) *O*,*O*-diethyl phosphorothioate; C₁₃H₂₄N₃O₃PS; 23505-41-1
*Organophosphorus insecticide*

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*O*(2-Diethylamino-6-methylpyrimidin-4-yl) *O*,*O*-diethyl phosphorothioate; C₁₃H₂₄N₃O₃PS; 23505-41-1
*Organophosphorus insecticide*

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*Organophosphorus insecticide*

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*Organophosphorus insecticide*

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*Organophosphorus insecticide*

Pirimiphos-ethyl

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*O*(2-Diethylamino-6-methylpyrimidin-4-yl) *O*,*O*-diethyl phosphorothioate; C₁₃H₂₄N₃O₃PS; 23505-41-1
*Organophosphorus insecticide*

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*O*(2-Diethylamino-6-methylpyrimidin-4-yl) *O*,*O*-diethyl phosphorothioate; C₁₃H₂₄N₃O₃PS; 23505-41-1
*Organophosphorus insecticide*

Pirimiphos-ethyl

Pirimiphos-ethyl (BAN) *pir-im-i-fos-ë-thil*
*O*(2-Diethylamino-6-methylpyrimidin-4-yl) *O*,*O*-diethyl phosphorothioate; C₁₃H₂₄N₃O₃PS; 23505-41-1
*Organophosphorus insecticide*

Pirimiphos-ethyl

Pirimiphos-ethyl (BAN) *pir-im-i-fos-ë-thil*
*O*(2-Diethylamino-6-methylpyrimidin-4-yl) *O*,*O*-diethyl phosphorothioate; C₁₃H₂₄N₃O₃PS; 23505-41-1
*Organophosphorus insecticide*

Pirimiphos-ethyl

Pirimiphos-ethyl (BAN) *pir-im-i-fos-ë-thil*
*O*(2-Diethylamino-6-methylpyrimidin-4-yl) *O*,*O*-diethyl phosphorothioate; C₁₃H₂₄N₃O₃PS; 23505-41-1
*Organophosphorus insecticide*

Pirimiphos-ethyl
Pixantrone (rINN) piks an trön
6,9-Bis[(2-aminoethyl)amino]benzo[g]isoquinoline-5,10-dione;
C_{17}H_{19}N_{5}O_{2}; 144510-96-3
Pixantrone Maleate (1:2) 144675-97-8
Inhibitor of DNA topoisomerase type II; antineoplastic

Pizotifen (rINN) pi zo ti fen
9,10-Dihydro-4-(1-methylpiperidin-4-ylidene)-4H-benzo-
[4,5]cyclohepta[1,2-b]thiophene; pizotyline; \( \text{C}_{19} \text{H}_{21} \text{NS} \); 15574-96-6
• Pizotifen Malate 5189-11-7
Serotonin (5HT) receptor partial agonist; prophylaxis of
migraine

Plasmin see Fibrinolysin (human)

Plasminogen (BAN) plaz mi nö jen
The specific substance derived from plasma which, when
activated, has the property of lysing fibrinogen, fibrin and some
other proteins.
Fibrinolytic

Plevitrexed (rINN) ple vi trek s ed
(S)-2-[[3,4-Dihydro-2,7-dimethyl-4-oxoquinazolin-6-
yl]methyl][prop-2-ynyl]amino]-2-fluorobenamido-4-
(1H-1,2,3,4-tetrazol-5-yl)butanoic acid;
\( \text{C}_{26} \text{H}_{25} \text{FN}_{8} \text{O}_{4} \); 153537-73-6
Thymidylate synthetase inhibitor; antineoplastic

Plicamycin (rINN) see Appendix C

Plitidepsin (rINN) pli ti de p sin
3,6-Anhydro(N-\{([2S,4S]-4-[[3S,4R,5S]-3-hydroxy-4-\{[N-(2-
oxopropanoyl)-1-prolyl-N-methyl-l-leucyl-l-threonyl]amino]-
5-methylheptanoyloxy\}]-2,5-dimethyl-3-oxohexanoyl]-
l-leucyl-1-propyl-N(Dimethyl-l-tyrosine); C_{17}H_{9}N_{5}O_{5};
137279-37-5
Depsidepeptide antineoplastic

Podophyllotoxin (BAN) pö do fi lø toks in
(5R,5aR,8aR,9R)-5,5a,6,8a,9-Hexahydro-9-hydroxy-5-
(3,4,5-trimethoxyphenyl)furo[3´4´:6,7]naphtho[2,3-d]-
1,3-dioxol-6-one; \( \text{C}_{23} \text{H}_{22} \text{O}_{5} \); 518-28-5
Inhibitor of DNA topoisomerase type II

Poldine Metilsulfate (BAN) pol de n
(RS)-2-Benziloyloxymethyl-1,1-dimethylpyrrolidinium
methylsulfate; \( \text{C}_{23} \text{H}_{30} \text{NO}_{7} \text{S} \); 545-80-2
Anticholinergic

Polidexide (BAN) see Appendix C

Polidronium Chloride (rINN) po lë drö nö um
\( \alpha\)-(E)-4-\{Tris(2-hydroxyethyl)ammonio]but-2-enyl\}-\alpha-[tris(2-
hydroxyethyl)ammonio]poly[(dimethyliminio)(E)-but-2-enylene
chloride] dichloride; \( \text{C}_{16} \text{H}_{36} \text{Cl}_{2} \text{N}_{2} \text{O}_{4} \); 75345-27-6
Antibacterial
Poliglecaprone (rINN) po·lë·gle·ka·prön
Poly[(oxy(1-oxoethylene)co-block-poly{oxy(1-oxohexamethylene)}]; [C₂H₂O₂]ₘ[C₆H₁₀O₂]ₙ; 41706-81-4
Synthetic absorbable suture

Polihexanide (rINN) po·lë·heks·a·nid
Poly(biguaniide-1,5-diylhexamethylene) hydrochloride; 32289-58-0
Disinfectant

Poloxalene (rINN) po·lëks·a·len
A block co-polymer of oxyethylene and oxypropylene having a molecular weight of approximately 3000; 9003-11-6
Non-ionic surfactant

Poloxamer (rINN) po·lëks·a·mer
α-Hydro-o-hydroxypoly{oxyethyleneoxy(1-methylethylene)co-oxyethylene} block copolymer.
Each poloxamer name is followed by a number, eg, poloxamer 188, 331, 407 etc. The first two digits multiplied by 100 correspond to the approximate average molecular weight of the poly(oxypropylene) portion; the third digit multiplied by 10 corresponds to the percentage by weight of the poly(oxyethylene) portion; 9003-11-6
Non-ionic surfactant

Poloxyl Lanolin (BAN) po·lëks·ĭl
A polyoxyethylene condensation product of anhydrous lanolin. Ethoxylated lanolin; emollient

Polycarbophil (rINN) po·lë·kar·bō·fīl
Polyacrylic acid cross-linked with divinyl glycol; 9003-97-8
Polycarbophil Calcium
Bulk laxative

Polydioxanone (BAN) po·lë·dī·oks·a·nōn
Poly{oxy(1-oxoethylene)co-oxyethylene}]; (C₄H₆O₃)ₙ; 31621-87-1;
PDS
Synthetic absorbable suture

Polyestradiol Phosphate (rINN) see Appendix C

Polyethylene Glycol (rINN) po·lë·gë·kō·lik
Poly(glycerol); 26009-03-0
Synthetic absorbable suture

Polyglycolic Acid (rINN) po·lë·glï·ko·lik
Poly(glycolic acid); 26009-03-0
Synthetic absorbable suture

Polyglyconate (BAN) po·lë·gï·kö·nät
A co-polymer of 1,4-dioxane-2,5-dione and trimethylene carbonate; 75734-93-9
Synthetic absorbable suture

Polyhexanide see Polihexanide

Poloxyl Lanolin (BAN) po·lëks·ĭl
A polyoxyethylene condensation product of anhydrous lanolin. Ethoxylated lanolin; emollient

Polymyxin B (rINN) po·lë·miks·ĭn
Antimicrobial polypeptides produced by strains of Bacillus polymyxa; polymyxin E is Colistin; 1404-26-8
Polymyxin B Sulfate 1405-20-5
Antibacterial

The symbol ‘¬’ in systematic chemical names signifies line continuation
Polynoxylin (rINN) po·lé·noks·i·lin
Poly[bis(hydroxymethyl)ureylene]methylene; 9011-05-6
Antiseptic

Polyoxy 8 Stearate see Macrogol 8 Stearate

Polyoxy 40 Stearate see Macrogol 40 Stearate

Polysorbate (rINN) po·lé·sor·bät
Polyoxyethylene derivatives of cyclic sorbitol anhydrides partially esterified with a fatty acid
The numbered polysorbates indicated below refer to the following compounds: eg

• polysorbate 20: polyoxyethylene 20 sorbitan monolaureate; 9005-64-5
• polysorbate 40: polyoxyethylene 20 sorbitan monopalmitate; 9005-66-7
• polysorbate 60: polyoxyethylene 20 sorbitan mono-stearate; 9005-67-8
• polysorbate 65: polyoxyethylene 20 sorbitan tristearate; 9005-71-4
• polysorbate 80: polyoxyethylene 20 sorbitan mono-oleate; 9005-65-6
• polysorbate 85: polyoxyethylene 20 sorbitan trioleate; 9005-70-3

Polyoxyethylene 20 sorbitan corresponds to tris(polyethylene glycol 300) sorbitan ethers.
Non-ionic surfactants

Polythiazide (rINN) po·lé·thï·a·zïd
(RS)-6-Chloro-3,4-dihydro-2-methyl-3-(2,2,2-trifluoroethylthiomethyl)-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide; C11H13ClF3N3O4S3; 346-18-9
Thiazide diuretic

and enantiomer

Polyvinox (BAN) see Appendix C

Ponatinib (rINN) po·nät·in·ib
3-[2-{imidazo[1,2-b]pyridazin-3-yl}ethenyl]-4-methyl-N-(4-[(4-methylpiperazin-1-yl)ethyl]-3-(trifluoromethyl)phenyl)benzamide; C29H27F3N6O; 943319-70-8

Ponatinib Hydrochloride 1114544-31-8
Tyrosine kinase (BCR-ABL) inhibitor; treatment of leukaemias

Poractant Alfa (BAN) por·rak·tant
An extract of porcine lung containing not less than 90% of phospholipids, about 1% of hydrophobic proteins (SP-B and SP-C) and about 9% of other lipids; 129069-19-8
Lung surfactant

Porfimer Sodium (rINN) see Appendix C

Porfiromycin (rINN) see Appendix C

Posaconazole (rINN) po·sa·kon·a·zôl
4-[4-(4-[4-[(3R,5R)-5-(2,4-difluorophenyl)-1H-1,2,4-triazol-1-ylmethyl)-3-furylmethoxy]phenyl)piperazin-1-yl]phenyl]-2-[1(S,2S)-1-ethyl-2-hydroxypropyl]-2,4-dihydro-3H-1,2,4-triazol-3-one; C37H42F2N8O4; 171228-49-2
Azole antifungal

Posizolid (rINN) po·zi·zö·lid
(5R)-3-(4-[1-((2S)-2,3-dihydroxypropanoyl)-1,2,3,6-tetrahydro-4-pyridyl]-3,5-difluorophenyl)-5-(1,2-oxazol-3-yl)oxymethyl)-1,3-oxazolan-2-one; C23H22F2N4O5; 252260-06-3

Posizolid Disodium Phosphate Antibacterial

Potassium Menaphthosulphate see Menadiol Potassium Sulfate
Povidone (rINN) po·vi·dón
Poly[1-(2-oxopyrrolidin-1-yl)ethylene]; polyvidone (pINN); 9003-39-8
Disinfectant; excipient

Povidone–Iodine (BAN)
Poly[1-(2-oxopyrrolidin-1-yl)ethylene]–iodine complex; iodinated povidone; 25635-41-8
Disinfectant

Practolol (rINN) prak·to·loll
4’-(2-Hydroxy-3-isopropylaminopropoxy)acetanilide; C₁₄H₂₂N₂O₃; 6673-35-4
Beta-adrenoceptor antagonist

Prajmalium Bitartrate (rINN) praj·mal·ë·um
N-Propylajmalinium hydrogen tartrate; C₂₇H₃₈N₂O₈; 2589-47-1
Class I antiarrhythmic

Pramidoxime (rINN) pra·mi·doks·ëm
2-Hydroxyiminomethyl-1-methylpyridinium (cation); C₇H₉N₂O; 495-94-3
Cholinesterase reactivator; treatment of organophosphorus poisoning

Pramine see Appendix C

Praline see Appendix C

Pralidoxime (rINN) pra·li·doks·ëm
2-Hydroxyiminomethyl-1-methylpyridinium (cation); C₇H₉N₂O; 495-94-3
Pralidoxime Iodide 94-63-3
Cholinesterase reactivator; treatment of organophosphorus poisoning

Pramocaine (rINN) pra·mö·kän
4-[3-(4-Butoxyphenoxy)propyl]morpholine; pramocaine (rINN); C₁₇H₂₇NO₃; 140-65-8
Pramocaine Hydrochloride 637-58-1
Local anaesthetic

Pramipexole (rINN) pra·mi·peks·ôl
(S)-2-Amino-4,5,6,7-tetrahydro-1,3-benzothiazole-6-yl(propyl) amine; C₁₀H₁₇N₃S; 104632-26-0
Pramipexole Hydrochloride (2HCl) 104632-25-9
Dopamine receptor agonist; treatment of Parkinson’s disease

The symbol ‘¬’ in systematic chemical names signifies line continuation
**Prasugrel** (rINN) praz·ü·grel
5-[(1RS)-2-Cyclopropyl-1-(2-fluorophenyl)-2-oxoethyl]-4,5,6,7-tetrahydrothieno[3,2-c]pyridin-2-yl acetate; C_{20}H_{20}FNO_{3}S; 150322-43-3
*Prasugrel Hydrochloride* 389574-19-0
Inhibitor of ADP-mediated platelet aggregation

**Pravastatin** (rINN) pra·va·stan
t-(3R,5R)-7-[(1S,2S,5S,8aR)-1,2,6,7,8,8a-Hexahydro-6-hydroxy-2-methyl-8-[(S)-2-methylbutyryloxy]-1-naphthyl]3,5-dihydroxyheptanoic acid; C_{23}H_{36}O_{7}; 81093-37-0
*Pravastatin Sodium* 81131-70-6
HMG Co-A reductase inhibitor; lipid-regulating drug

**Prazepam** (rINN) prä·ze·pam
7-Chloro-1-(cyclopropylmethyl)-1,3-dihydro-5-phenyl-1,4-benzodiazepin-2-one; C_{19}H_{17}ClN_{2}O; 2955-38-6
Anxiolytic

**Praziquantel** (rINN) prä·zi·kwan·tel
2-Cyclohexylcarbonyl-1,2,3,6,7,11b-hexahydroazino[2,1-a]isoquinolin-4-one; C_{19}H_{24}N_{2}O_{2}; 55268-74-1
Antihelminthic

**Prazosin** (rINN) prä·zö·sin
2-[4-(2-Furoyl)piperazin-1-yl]-6,7-dimethoxyquinazolin-4-ylamine; C_{10}H_{15}N_{3}O_{4}; 19216-36-9
*Prazosin Hydrochloride* 19237-84-4
Alpha_{1}-adrenoceptor antagonist

**Prednicarbate** (rINN) pred·ni·kar·bät
Ethyl 11β-hydroxy-3,20-dioxopregna-1,4-diene-17,21-diy-17-carbonate 21-propanoate; C_{23}H_{36}O_{6}; 73771-04-7
Glucocorticoid

**Prednisolamate** (rINN) pred·ni·so·la·mät
11β,17α-Dihydroxy-3,20-dioxopregna-1,4-dien-21-yl diethylaminoacetate; prednisolone 21-diethylaminoacetate; C_{31}H_{39}N_{3}O_{6}; 5626-34-6
Glucocorticoid

**Prednisolone** (rINN) pred·nis·o·lön
11β,17α,21-Trihydroxypregna-1,4-diene-3,20-dione; C_{21}H_{28}O_{5}; 50-24-8
*Prednisolone Acetate* 52-21-1
*Prednisolone Hexanoate* Prednisolone Metasulfobenzoate Sodium 630-67-1
*Prednisolone Pivalate* 1107-99-9
*Prednisolone Sodium Phosphate* 125-02-0
Glucocorticoid

Prazitone (rINN) see Appendix C
Prednisolone Steaglate (rINN) pred·ni·so·lön stë·a·glät 11β,17α-Dihydroxy-3,20-dioxopregna-1,4-dien-21-yl stearoylglycollate; C_{41}H_{64}O_{8}; 5060-55-9

Glucocorticoid

● Prednisone (rINN) pred·nis·ön 17α,21-Dihydroxypregna-1,4-diene-3,11,20-trione; C_{21}H_{26}O_{5}; 53-03-2

Prednisone Acetate 125-10-0

Glucocorticoid

Prenalterol (rINN) pre·nal·te·rol (S)-1-(4-Hydroxyphenoxy)-3-isopropylaminopropan-2-ol; C_{13}H_{20}NO_{2}; 57526-81-3

Prenalterol Hydrochloride 61260-05-7

Beta₁-adrenoceptor agonist

Prenylamine (rINN) pre·nī·la·mēn (RS)-2-Benzhydrylethyl(α-methylphenethyl)amine; C_{24}H_{27}N; 390-64-7

Prenylamine Lactate 69-43-2

Calcium channel blocker

and enantiomer

Pregabalin (rINN) prë·gá·ba·lin (S)-3-(Aminomethyl)-5-methylhexanoic acid; C_{8}H_{17}NO_{2}; 148553-50-9

Antiepileptic

Pregnolone (rINN) see Appendix C

Prenylamine (rINN) pre·nī·la·mēn 11β,17α,21-Trihydroxy-16-methylenepregna-1,4-diene-3,20-dione; C_{22}H_{28}O_{5}; 599-33-7

Glucocorticoid

Prenylamine (rINN) pre·nī·la·mēn 2-Propylaminopropiono-o-toluclid; C_{13}H_{20}N_{2}O; 721-50-6

Prenylamine Lactate 61260-05-7

Calcium channel blocker

and enantiomer

Pretamazium Iodide (rINN) see Appendix C

Prilocaine (rINN) prï·lo·kän 4-Amino-1-methylbutyl(6-methoxy-8-quinolyl)amine; C_{15}H_{21}N_{3}O; 90-34-6

Prilocaine Hydrochloride 1786-81-8

Local anaesthetic

and enantiomer

Primaquine (rINN) prim·a·kwën 4-Amino-1-methylbutyl(6-methoxy-8-quinolyl)amine; C_{15}H_{21}N_{3}O; 90-34-6

Primaquine Phosphate 63-45-6

Antiprotozoal (malaria)

and enantiomer

Primidolol (rINN) pri·mi·dol·ol 1-[2-(2-Hydroxy-3-o-tolyloxypropylamino)ethyl]-5-methyl uracil; C_{13}H_{21}N_{3}O_{2}; 67227-55-8

Beta₁-adrenoceptor antagonist

and enantiomer

The symbol ‘¬’ in systematic chemical names signifies line continuation
Primidone (rINN) pri·mi·dön
5-Ethyl-5-phenylperhydropyrimidine-4,6-dione; C₁₂H₁₄N₂O₂; 125-33-7
Antiepileptic

Pristinamycin (rINN) pris·ti·na·mï·sin
Antimicrobial substances produced by Streptomyces pristina spiralis; 11006-76-1; certain components are identical with some constituents of mikamycin, ostreogrycin and virginiamycin
Streptogramin antibacterial

Prizidilol (rINN) pri·zi·di·lol
1-tert-Butylamino-3-[2-(6-hydrazinopyridazin-3-yl)phenoxy]-Ø propan-2-ol; C₁₇H₂₅N₅O₂; 59010-44-5
Beta-adrenoceptor antagonist

Probenecid (rINN) prö·be·ne·sid
4-(dipropylsulfamoyl)benzoic acid; C₁₃H₁₉NO₄S; 57-66-9;
Uricosuric drug

Probucol (rINN) prö·bü·kol
4,4’-Isopropylidenedithiobis(2,6-di-tert-butylphenol); C₃₁H₄₈O₂S₂; 23288-49-5
Lipid-regulating drug

Procainamide (rINN) prö·kä·na·mid
4-Amino-N-(2-diethylaminoethyl)benzamide; C₁₃H₁₉N₃O;
Class I antiarrhythmic

Procainamide Hydrochloride 614-39-1

Procaine (rINN) prö-kän
2-Diethylaminoethyl 4-aminobenzoate; C₁₃H₂₀N₂O₂; 59-46-1
Local anaesthetic

Procarbazine (rINN) see Appendix C

Procaterol (rINN) prö·ka·ter·ol
8-Hydroxy-5-[(1R*,2S*)-1-hydroxy-2-isopropylaminobutyl]-2-quinolone; C₁₉H₁₉N₂O₂; 60443-17-6; 72332-33-3
β₂-adrenoceptor agonist; bronchodilator

Procaterol Hydrochloride 59828-07-8; OPC-2009
Prochlorperazine (rINN) prö·klor·pe·ra·zên
2-Chloro-10-[3-(4-methylpiperazin-1-yl)propyl]phenothiazine;
C₂₀H₂₄ClN₃S; 58-38-8
- **Prochlorperazine Maleate** 84-02-6
- **Prochlorperazine Mesilate** 5132-55-8
  Dopamine receptor antagonist; antipsychotic

![Chemical structure of Prochlorperazine]

Proclonol (rINN) see Appendix C

Procromil (BAN) prö·kro·mil
6,7,8,9-Tetrahydro-4-oxo-10-propyl-4H-benzo[g]chromene-2-
carboxylic acid; C₁₇H₁₈O₄; 60400-86-4
Cromone; treatment of asthma; food allergy; allergic conjunctivitis; rhinitis

![Chemical structure of Procromil]

Procyclidine (rINN) prö-sï·kli·dën
(RS)-1-Cyclohexyl-1-phenyl-3-(pyrrolidin-1-yl)propan-1-ol;
C₁₉H₂₉NO; 77-37-2
- **Procyclidine Hydrochloride** 1508-76-5
  Anticholinergic

![Chemical structure of Procyclidine]

Profadol (rINN) see Appendix C

Profenamine (rINN) prö·fen·a·mën
(RS)-1-Methyl-2-(phenothiazin-10-yl)ethyl]diethylamine;
C₁₉H₂₄N₂S; 522-00-9
Anticholinergic

![Chemical structure of Profenamine]

Progabide (rINN) prö·ga·bid
4-[4′-Chloro-5-fluoro-2-hydroxybenzhydrylideneamino)butyramide; C₁₇H₁⁴ClFN₂O₂; 62666-20-0
Antiepileptic

![Chemical structure of Progabide]

Progesterone (rINN) prö·ge·ster·rön
Pregn-4-ene-3,20-dione; C₂₃H₃₀O₂; 57-83-0
Progestogen

![Chemical structure of Progesterone]

Proglumetacin (rINN) prö·gloo·me·ta·sin
3-[4-[2-(1-p-Chlorobenzoyl-5-methoxy-2-methylindol-3-
ylacetoxy)ethyl]piperazin-1-yl]propyl 4-benzamido-N,N-
dipropylglutaramate; C₆₀H₅₃ClN₅O₆; 57132-53-3
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

![Chemical structure of Proglumetacin]

Proglumide (rINN) prö·gloo·mïd
4-Benzamido-N,N-dipropylglutaramic acid; C₁₈H₂₆N₂O₄; 6620-60-6
Cholecystokinin antagonist

![Chemical structure of Proglumide]

The symbol ‘‘¬’’ in systematic chemical names signifies line continuation
Proguanil (rINN) pro̱ gwa-nil
1-(4-Chlorophenyl)-5-isopropylbiguanide; C₁₁H₁₆ClN₅;
500-92-5
• Proguanil Hydrochloride 637-32-1
Antiprotozoal (malaria)

Promethazine (rINN) pro̱ me thə zên
Dimethyl(1-methyl-2-phenothiazin-10-yl)ethylamine;
C₁₇H₂₀N₅S; 60-87-7
• Promethazine Hydrochloride 58-33-3
Histamine H₁ receptor antagonist; antihistamine

Proheptazine (rINN) pro̱ hep taː zên
(RS)-1,3-Dimethyl-4-phenylazepan-4-yl propionate; C₁₇H₂₅NO₂;
77-14-5
Opioid receptor agonist

Proligestone (rINN) prö̱li ji tə tun
14α,17a-Propylidenedioxypregn-4-ene-3,20-dione; C₂₃H₃₂O₄;
23873-85-0
Progestogen

Proline (rINN) Prö̱ lën
l-Proline; (S)-Pyrollidine-2-carboxylic acid; C₅H₉NO₂;
147-85-3
Amino acid

Prolintane (rINN) see Appendix C

Promazine (rINN) prö̱ ma zên
Dimethyl(3-phenothiazin-10-yl)propylamine; C₁₇H₂₀N₅S;
58-40-2
• Promazine Hydrochloride 53-60-1
Dopamine receptor antagonist; antipsychotic

Propamidine (rINN) prö̱ pa mi dən
4,4´-(Trimethylenedioxy)dibenzamidine; C₁₉H₂₀N₅O₂; 104-32-5
Propamidine Isetionate 140-63-6
Antiseptic
Propanidid (rINN) see Appendix C

- Propantheline Bromide (rINN) pro·pan·thé·lin
  Di-isopropylmethyl-2-(xanthen-9-ylcarbonyloxy)-ethylammonium bromide; C₂₃H₃₀BrNO₃; 50-34-0
  Anticholinergic

Propatynitrate (rINN) pro·pa·ti·në·trät
1,1,1-Tris(nitratomethyl)propane; C₆H₁₁N₃O₉; 2921-92-8
  Nitric oxide analogue

Propanolactone (rINN) pro·pë·ö·lak·tön
Propan-3-olide; C₃H₄O₂; 57-57-8
  Disinfectant

Propiomazine (rINN) pro·pë·ö·ma·zën
1-[10-[2-(Dimethylamino)propyl]phenothiazin-2-yl]propan-1-one; C₂₃H₂₈N₂O₂S; 362-29-8
  Histamine H₁ receptor antagonist; antihistamine

Propentofylline (rINN) pro·pen·to·fi·lën
3-Methyl-1-(5-oxohexyl)-7-propyl-7H-purine-2,6(1H,3H)-dione; C₁₅H₂₂N₄O₃; 55242-55-2
  Non-selective phosphodiesterase inhibitor; treatment of reversible airways obstruction

Properidine (rINN) see Appendix C

Propetamphos (BAN) pro·pe·tam·fös
Isopropyl (E)-3-[(ethylamino)(methoxy)phosphinothioyl]but-2-enoate; C₁₀H₂₀NO₄PS; 31218-83-4
  Organophosphorus insecticide; ectoparasiticide

Propiacillin (rINN) pro·pi·äs·lin
6-(2-Phenoxybutyramido)penicillanic acid; C₁₈H₂₂N₂O₅S; 557-27-9
  Penicillin antibacterial

Propicillin Potassium 1245-44-9

- Propicillin (rINN) pro·pi·äs·lin
  6-(2-Phenoxybutyramido)penicillanic acid; C₁₈H₂₂N₂O₅S; 557-27-9
  Penicillin antibacterial

Propicillin Potassium 1245-44-9

Propoval (rINN) pro·po·va·l
2,6-Di-isopropylphenol; C₁₃H₁₀O; 2078-54-8
  Intravenous general anaesthetic

The symbol ‘¬’ in systematic chemical names signifies line continuation
**Propoxur** (rINN) prö·poks·ûr
2-Isopropoxyphenyl methylcarbamate; C₁₁H₁₅NO₃; 114-26-1
Carbamate insecticide; ectoparasiticide

**Propyl Docetrizoate** (rINN) see Appendix C

**Propyliodone** (rINN) prö·pî·ö·dön
Propyl 1,4-dihydro-3,5-di-iodo-4-oxo-1-pyridylacetate; C₁₀H₁₁I₂NO₃; 587-61-1
Iodinated X-ray contrast medium

**Propyliouracil** (rINN) prö·pî·thî·ô·rä·sil
2,3-Dihydro-6-propyl-2-thioxopyrimidin-4(1H)-one; C₆H₅N₂O₅S; 51-52-5
Thiourea antithyroid drug

**Propoxyphenone** (rINN) prö·pê·fe·na zôn
4-Isopropyl-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one; C₁₆H₁₄N₂O; 479-92-5
Pyrazolone analgesic

**Propranolol** (rINN) prö·pran·ô·lol
1-Isopropylamino-3-(1-naphthyloxy)propan-2-ol; C₁₆H₂₁NO₂; 525-66-6

- **Propranolol Hydrochloride** 318-98-9
  Beta-adrenoceptor antagonist

- **Propranolol Hydrobromide** 134-68-6
  Alpha-adrenoceptor antagonist

**Propylhexedrine** (rINN) prö·pîl·heks·e·drën
2-Cyclohexyl-1-methylethyl(methyl)amine; C₁₀H₂₁N; 3595-11-7
Appetite suppressant

**Propylthiouracil** (rINN) prö·pî·thî·ô·rä·sil
2,3-dihydro-6-propyl-2-thioxopyrimidin-4(1H)-one; C₇H₁₀N₂OS; 51-52-5
Thiourea antithyroid drug

**Propyphenazone** (rINN) prö·pé·na·zön
4-Isopropyl-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one; C₁₆H₁₄N₂O; 479-92-5
Pyrazolone analgesic

**Proquazone** (rINN) pro·kwa·zôn
1-Isopropyl-7-methyl-4-phenylquinazolin-2(1H)-one; C₁₆H₁₄N₂O; 22760-18-5
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

**Prorenoate Potassium** (rINN) prö·re·no·ät
Potassium 6α,7α-dihydro-17β-hydroxy-3-oxo-3’H-cyclopenta[a,6,7]-21,24-dinor-17α-chol-4-en-23-oate; C₂₃H₃₁KO₄; 49847-97-4
Aldosterone receptor antagonist; potassium-sparing diuretic

**Proscillaridin** (rINN) prö·si·la·ri·din
14-Hydroxy-3β-(α-L-rhamnopyranosyloxy)-14β-bufa-4,20,22-trienolide; C₁₀H₂₅O₆; 466-06-8
Na/K-ATPase inhibitor; cardiac glycoside
Prostalene (rINN) pros-ta-lēn
(1) (±)-Methyl 7-((1R,2R,3R,5S)-3,5-dihydroxy-2-[(E)-3-hydroxy-3-methylcyclo-1-enyl]cyclopentyl)hepta-4,5-dienoate;
(2) (±)-Methyl (13E)-9S,11R,15R)-9,11,15-trihydroxy-15-methylprosta-4,5,13-trienoate; C_{22}H_{36}O_{5}; 54120-61-5
Prostaglandin (PGF, ) analogue

and epimer at C* 

Protriptyline (rINN) prō-tri-pī-li-nē
3-(5H-Dibenz[a,d]cyclohepten-5-yl)propyl(methyl)amine; C_{20}H_{22}N; 438-60-8
• Protriptyline Hydrochloride 1225-55-4;
Monoamine reuptake inhibitor; tricyclic antidepressant

Protamine Hydrochloride
Antidote to heparin

Protamine Sulfate (BAN) prō-ta-mēn sul·fāt
A purified mixture of the sulfates of basic peptides prepared from the sperm or mature testes of fish, usually species of Cluperaidae or Salmonidae; 9009-65-8
Antidote to heparin

Prothionamide see Protonamide

Prothipendyl (rINN) see Appendix C

Prothionamide (rINN) prō-thē-on-ā-mīd
2-Propylpyridine-4-carbothioamide; C_{9}H_{12}N_{2}S; 14222-60-7
Treatment of tuberculosis

Protirelin (rINN) prō-ti-re·lēn
1-[(N-5-Oxo-L-prolyl)-L-histidyl]-L-prolinamide; TRH;
C_{16}H_{22}N_{6}O_{4}; 24305-27-9
Thyrotrophin-releasing hormone

Prucalopride (rINN) proo-kāl-ap·röd
4-Amino-5-chloro-2,3-dihydro-N-[1-(3-methoxypropyl)-4-piperidyl][1]benzofuran-7-carboxamide; C_{18}H_{13}ClN_{3}O_{3}; 179474-81-8
Serotonin 5HT_{3} receptor agonist; enterokinetic agent

Peroxynitrite (rINN) sü-do·e·fe·drën
(+)-(1S,2S)-2-Methylamino-1-phenylpropan-1-ol; C_{10}H_{15}NO; 90-82-4
• Pseudoephedrine Hydrochloride 345-78-8; present in many proprietary preparations
Adrenoceptor agonist

The symbol ‘¬’ in systematic chemical names signifies line continuation
Psilocybine (rINN) sỉ-lô-vĩ-bên
3-(2-Dimethylaminoethyl)indol-4-yl dihydrogen phosphate; 
C₁₂H₁₇N₂O₄P; 520-52-5
Psychotomimetic

Pullulan (BAN) pul-ũ-lan
Poly(6)-α-β-glucopyranosyl-(1→4)-α-β-glucopyranosyl-(1→4)α-β-glucopyranosyl-(1→); (C₃₆H₆₀O₃₀)n; 9057-02-7
Excipient

Pumactant (BAN) pũ·mak-tant
A mixture of 7 parts by weight of 1,2-dipalmitoyl-sn-glycero-3-phosphocholine (DPPC) and 3 parts by weight of 2-oleoyl-1-palmitoyl-sn-glycero(3)phosphol(1)-sn-glycerol (PG); artificial lung surfactant
Pulmonary surfactant

Puromycin (rINN) pũ·rö-mĩ·sin
(S)-3’-[2-Amino-3-(4-methoxyphenyl)propionamido]-3’-deoxy-N,N-dimethyladenosine; C₂₂H₂₉N₇O₅; 53-79-2
Antibacterial

Pyranol (rINN) pũ·ran-teł
1,4,5,6-Tetrahydro-1-methyl-2-[(E)-2-(2-thienyl)vinyl]-5-pyrimidin; C₁₁H₁₅N₂S; 15686-83-6
• Pyranol Embonate 22204-24-5
Antihelminthic

Pyrazinamide (rINN) pi·ra-zin·a·mĩd
Pyrazine-2-carboxamide; C₇H₉N₃O; 98-96-4
Antituberculosis drug

Pyridostigmine Bromide (rINN) pi·ri·döst-i·gĩn·me·nĩd
3-Dimethylcarbamoyloxy-1-methylpyridinium bromide; 
C₈H₁₃BrN₃O; 101-26-8
Cholinesterase inhibitor

Pyridoxine (rINN) pi·ri·doks·ẽn
5-Hydroxy-6-methylpyridine-3,4-diyldimethanol; C₆H₁₅NO₃; 65-23-6
• Pyridoxine Hydrochloride Vitamin B₆; 58-56-0
Vitamin B₆

Pyrimethamine (rINN) pi·ri·me·thamen·ĩd
5-(4-Chlorophenyl)-6-ethylpyrimidine-2,4-diyldiamine; 
C₁₂H₁₃ClN₄; 58-14-0
Dihydrofolate reductase inhibitor; antiprotozoal (malaria)

Pyrimidate (rINN) pi·ri·mi·dät
O-2-Dimethylamino-6-methylpyrimidin-4-yl O,O-diethyl phosphorothioate; C₁₁H₁₄N₂O₃PS; 3221-49-8
Organophosphorus insecticide

Pyritinol (rINN) pi·ri·ti·nol
[Di(2-hydroxy-6-methylpyridine-3,4-diyl)]-dimethanol; C₁₁H₁₄N₂O₃S₂; 1098-97-1
Nootropic
Pyrrobutamine (BAN) pi rō bū ta mēn
1-[4-(4-Chlorophenyl)-3-phenylbut-2-enyl]pyrrolidine; C₂₀H₂₂ClN; 91-87-7
Histamine H₁ receptor antagonist; antihistamine

Pyrrocaine (rINN) see Appendix C

Pyrvinium Pamoate (rINN) see Appendix C

Quadazocine (rINN) kwō dā zō sēn
1-Cyclopentyl-5-(2R,6S,11S)-(1,2,3,4,5,6-hexahydro-8-hydroxy-3,6,11-trimethyl-2,6-methano-3-benzazocin-11-yl)pentan-3-one; C₂₅H₃₇NO₂; 71276-43-2
Quadazocine Mesilate 71276-44-3
Opioid receptor antagonist

Quadrosilan (rINN) see Appendix C

Quazepam (rINN) kwē ze pam
7-Chloro-5-(2-fluorophenyl)-1,3-dihydro-1-(2,2,2-trifluoroethyl)-1,4-benzodiazepine-2-thione; C₁₇H₁₁ClF₄N₂S; 36735-22-5
Benzodiazepine

Quetiapine (rINN) kwe ī apēn
2-[2-[4-(Dibenzo[b,f][1,4]thiazepin-11-yl)piperazin-1-yl]ethoxy] ethanol; C₂₅H₂₉O₂N₆S
• Quetiapine Fumarate 111974-72-2
Dopamine receptor antagonist; antipsychotic

Quinacillin (rINN) kwī na sī lin
6-(3-Carboxyquinolin-2-ylcarboxamido)penicillanic acid; C₁₈H₁₈N₄O₆; 1596-63-0
Penicillin antibacterial

Quinagolide (rINN) kwī na go līd
(3S,4aS,10aR)-3-Diethylaminosulfonylamino-1,2,3,4,4a,5,10,10a-octahydro-1-propylbenzo[g]quinolin-6-ol; C₂₀H₃₃N₃O₃S
Quinagolide Hydrochloride 94424-50-7
Dopamine receptor agonist; treatment of Parkinson’s disease

Quinalbarbitone Sodium see Secobarbital Sodium

Quinapril (rINN) kwī na prīl
(3S)-2-{N-[S]-1-Ethoxycarbonyl-3-phenylpropyl-L-alanyl}1,2,3,4-tetrahydrosoquinoline-3-carboxylic acid; C₃₃H₂₉N₂O₅; 85441-61-8
• Quinapril Hydrochloride
Angiotensin converting enzyme inhibitor

The symbol ‘¬’ in systematic chemical names signifies line continuation
Quindoxin (rINN) kwin·doks·in
Quinoxaline 1,4-dioxide; C₈H₆N₂O₂; 2423-66-7
Antibacterial

Quinestrol (rINN) kwi·nës·trol
3-Cyclopentyloxy-19-nor-17α-pregna-1,3,5(10)-triene-16α,17β-diol; C₂₃H₃₂O₂; 152-43-2
Estrogen

Quinestrol (rINN) kwi·nës·trol
3-Cyclopentyloxy-19-nor-17α-pregna-1,3,5(10)-triene-20-yn-17α-ol; C₂₃H₂₉O₂; 10592-65-1
Estrogen

Quinesterol (rINN) kwi·nës·tra·dol
3-Cyclopentyloxyestra-1,3,5(10)-triene-16α,17β-diol; C₂₃H₃₂O₂; 1169-79-5
Estrogen

Quinina (rINN) kwi·ni·nën
(8R,9S)-6'-Methoxycinchonan-9-ol; C₂₀H₂₄N₂O₂; 130-95-0
• Quinina Bisulfate 549-56-4
• Quinina Dihydrochloride 60-93-5
• Quinina Hydrochloride 130-89-2
• Quinina Sulfate 6119-70-6
Antiprotozoal (malaria)

Quinethazone (rINN) kwi·ne·tha·zön
(RS)-7-Chloro-2-ethyl-1,2,3,4-tetrahydro-4-oxoquinazoline-6-sulfonamide; C₁₆H₁₂ClN₄O₂S; 73-49-4
Thiazide-like diuretic

Quingestanol (rINN) kwin·je·ta·nol
3-Cyclopentyloxy-19-nor-17α-pregna-3,5-dien-20-yn-17α-ol; C₂₃H₂₉O₂; 97466-90-5
Estrogen

Quingestanol Hydrochloride 97548-97-5 (2HCl)
Dopamine D₂ receptor agonist

Quingestanol (rINN) kwin·je·ta·nol
3-Cyclopentyloxy-19-nor-17α-pregna-3,5-dien-20-yn-17α-ol; C₂₃H₂₉O₂; 10592-65-1
Estrogen

Quinidine (BAN) kwi·ni·dën
(8R,9S)-6'-Methoxycinchonan-9-ol; C₂₀H₂₄N₂O₂; 56-54-2
• Quinidine Bisulfate 50-54-4
• Quinidine Sulfate 6591-63-5
Class I antiarrhythmic

Quitinofos (rINN) kwin·ti·ö·fos
O-Ethyl O-8-quinolyl phenylphosphonothioate; C₁₅H₁₆NO₂PS; 1776-83-6
Insecticide
**Quinupristin** (rINN) kwɪn·u·prɪs·tin
\[N\cdot[(3R,6S,7R,10S,13S,16R,20S,23S)-20\cdot[(4\cdot(Dimethylamino)\cdot\text{Ø benzyl}]-3\cdot\text{ethyl}-7,21\cdot\text{dimethyl}-2,5,9,15,19,22\cdot\text{hexa}xoo-10\cdot phenyl]-16\cdot[(3S\cdot\text{quinuclidin}-3\cdot\text{ylthio})\cdot\text{methyl}]-8\cdot\text{o}xa-1,4,11,18,21\cdot\text{penta}zatricycl}[21.3.0.0^{13,18}] \text{hexacosan-6} \cdot \text{y}l\cdot3\cdot\text{hydroxy}pyridine-2\cdot\text{car}boxamide; \text{C}_{53}\text{H}_{67}\text{N}_{9}\text{O}_{10}\text{S}; 120138-50-3\]

**Quinupristin Mesilate**
Streptogramin antibacterial

**Rabeprazole** (rINN) ra·be·pra·zôl
2\cdot[(4\cdot(3\cdot\text{Methoxypropoxy})\cdot3\cdot\text{methyl}-2\cdot\text{pyridyl}]\cdot\text{methyl}→ sulfanyl]-1\cdot\text{H}-benzimidazole; \text{C}_{18}\text{H}_{21}\text{N}_{3}\text{O}_{3}\text{S}; 117976-89-3

**Rabeprazole Sodium**
117976-90-6
Proton pump inhibitor; treatment of peptic ulcer disease

**Racecadotril** (rINN) ra·së·ko dë tril
Benzy l rac-[2\cdot(acetyl sulfanyl)methyl]-3\cdot\text{phenyl}→propanamido] acetate; \text{C}_{25}\text{H}_{32}\text{N}_{2}\text{O}_{2}; 81110-73-8
Enkephalinase inhibitor: treatment of diarrhoea

**Racemethorphan** (rINN) ra·së·mər fən
(+)-17\cdot\text{Methylmorphinan}-3\cdot\text{ol}; \text{C}_{17}\text{H}_{23}\text{NO}; 297-90-5
Opioid receptor agonist

**Racemoramide** (rINN) ra·së·mo·ramïd
(RS)-1\cdot(3\cdot\text{Methyl}-4\cdot\text{morpholino}-2,2\cdot\text{diphenylbutyryl})→ pyrrolidine; \text{C}_{25}\text{H}_{32}\text{N}_{2}\text{O}_{2}; 545-59-5
Opioid receptor agonist

**Racemorphan** (rINN) ra·së·mor·fan
(±)-17\cdot\text{Methylmorphinan}-3\cdot\text{ol}; \text{C}_{17}\text{H}_{23}\text{NO}; 297-90-5
Opioid receptor agonist

**Racephedrine** (rINN) ra·se·fe·drën
(1RS,2SR)-2\cdot\text{Methylamino}-1\cdot\text{phenylpropan}-1\cdot\text{ol}; \text{C}_{15}\text{H}_{23}\text{NO}; 90-81-3
Adrenoceptor agonist

**Racephedrine Hydrochloride** 134-71-4

The symbol ‘¬’ in systematic chemical names signifies line continuation
**Raclopride** (rINN) *ra·klo·prīd* 
(S)-3,5-Dichloro-N-(1-ethylpyrrolidin-2-ylmethyl)-6-methoxysalicylamide; C₁₅H₂₀Cl₂N₂O₃; 84225-95-6

**Raclopride Tartrate** 98185-20-7
Dopamine D₂ receptor antagonist; antipsychotic

**Rafinoxanide** (rINN) *ra·foks·a·nīd* 
3'-Chloro-4'-(4-chlorophenoxy)-3,5-di-iodosalicylanilide; C₁₉H₁₁Cl₂I₂NO₃; 22662-19-1
Antihelminthic (veterinary)

**Ramatroban** (rINN) *ra·ma·trō·ban* 
(R)-3-[3-(4-Fluorophenylsulfonylamino)-1,2,3,4-tetrahydropyrimidin-6-yl]propionic acid; C₂₁H₂₁FN₆O₄S; 116649-85-5
Thromboxane (A₂) receptor antagonist; antagonist at chemoattractant receptor - homologous molecule expressed at TH₂ cells (CRTH₂); anticoagulant

**Raloxifene** (rINN) *ra·lōks·ī·fēn* 
[6-Hydroxy-2-(4-hydroxyphenyl)benzo[b][thien-3-yl][4-(2-piperidinoethoxy)phenyl]methanone; C₂₈H₂₇NO₄S; 84449-90-1
Selective estrogen receptor modulator

**Raltegravir** (rINN) *rá·ltē·gra·vïr* 
N-[5-[2-(4-oxoquinazolin-6-yl)phenyl]amino]-2-thienyl]-1-glutamic acid; C₂₁H₁₉N₂O₅; 112877-68-0
Thymidylate synthetase inhibitor; antineoplastic

**Raltitrexed** (rINN) *ral·ti·treks·ed* 
N-5-[3,4-Dihydro-2-methyl-4-oxoquinazolin-6-ylmethyl- (methyl)amino]-2-thienyl]-1-glutamic acid; C₂₁H₂₁N₂O₅S; 84449-90-1
Selective estrogen receptor modulator; hypnotic

**Ramipril** (rINN) *ra·mi·pril* 
(1) (2S,3aS,6aS)-1-{-N-[((S)-1-ethoxycarbonyl-3-phenylpropyl]-l-alanyl} perhydrocyclopenta[b]pyrrole-2-carboxylic acid; (2) (1S,3S,5S)-2-{N-[(S)-1-ethoxycarbonyl-3-phenylpropyl]-l-alanyl} 2-azabicyclo[3.3.0]octane-3-carboxylic acid; C₂₃H₃₂N₂O₅; 87333-19-3
Angiotensin converting enzyme inhibitor
Ramucirumab (rINN) ram·ü·seer·rū·mab
Immunoglobulin G1-kappa, anti-[Homo sapiens KDR (kinase insert domain receptor, vascular endothelial growth factor receptor 2, VEGFR2, VEGF-R2, FLK1, CD309) extracellular domain], Homo sapiens monoclonal antibody; gamma1 heavy chain (1-446) [Homo sapiens VH (IGHV3-21*01(99.00%)) - (IGHD)-IGHJ3*02) [8.8.9] (1-116) - IGHH1*03 (CH1 F5-L (125), hinge (215-229), CH2 (230-339), CH3 (340-444), CH4 (445-446)) (171-446), (219-214)-disulfide with kappa light chain (1-214') [Homo sapiens V-KAPPA (IGHV1-1-12*01 (85.30%) -IGKJ4*01 E125>D (105)] [6.3.9] (1-107') - IGKC*01 (108'-214')]; dimer (225-225':228-228')-bisdisulfide; 947687-13-0
Monoclonal antibody (VEGFR-2); treatment of advanced or metastatic gastric cancer and gastro-oesophageal junction adenocarcinoma

Ramucirumab has the following amino acid sequence:

<table>
<thead>
<tr>
<th>Heavy chain</th>
<th>Light chain</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVQLVQSGSGG</td>
<td>VSASIGDRVT</td>
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<tr>
<td>SYNNWVRQA</td>
<td>IGCRASGGID</td>
</tr>
<tr>
<td>ADSVGRFTTI</td>
<td>NWLGWYQXPK</td>
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<tr>
<td>TAVYYCARVT</td>
<td>RFSGSGLST</td>
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<tr>
<td>GSVFPLAPS</td>
<td>AKAFFPTFG</td>
</tr>
<tr>
<td>EPTVWSNSG</td>
<td>SDEQLSGSTA</td>
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<td>RGECD</td>
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<td>NWLWYQXPK</td>
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<tr>
<td>VEKRISSKG</td>
<td>RFSGSGLST</td>
</tr>
<tr>
<td>QVSLTCVKS</td>
<td>SDEFVLDS</td>
</tr>
<tr>
<td>KTFPPVLDS</td>
<td>VFSCSVNEA</td>
</tr>
</tbody>
</table>

* glycosylation site

Ranibizumab (rINN) ra·ni·bi·zu·mab
Immunoglobulin g1, anti-(human vascular endothelial growth factor) Fab fragment (human-mouse monoclonal rhuFAB V2 g1 chain), disulfide with human-mouse monoclonal rhuFAB V2 k-chain; 347396-82-1
Monoclonal antibody (VEGF)

Ranibizumab has the following amino acid sequence:

<table>
<thead>
<tr>
<th>Chain 1</th>
<th>Chain 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVQLVESGGG</td>
<td>LVQPQGSRL</td>
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<tr>
<td>EVQLVESGGG</td>
<td>LVQPQGSRL</td>
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<td>PGKLEWGVG</td>
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<td>AADFKRRTTF</td>
<td>SLTGSKTGY</td>
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<td>YYYGTSHWY</td>
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<tr>
<td>VSSASTKPS</td>
<td>VFPLAPSSK</td>
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<td>QSSGLYSS</td>
<td>VVTVPSSSL</td>
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<tr>
<td>KPSNTKD</td>
<td>VEFKSCDK</td>
</tr>
<tr>
<td>LGSQK</td>
<td>L</td>
</tr>
</tbody>
</table>

Ranitidine (rINN) ra·ni·ti·dën
Dimethyl[5-[2-(1-methylamino-2-nitrovinylamino)-Ø-ethylthiomethyl]-furfuryl] amine; C13H22N4O3S; 66357-35-5

● Ranitidine Hydrochloride
Histamine H2 receptor antagonist; treatment of peptic ulcer disease

\[
\text{Me}_2\text{N} + \text{O} - \text{N} - \text{H} + \text{NO}_2
\]

Ranitidine Bismuth Citrate (BAN)
Bismuth(III) citrate—(E)-N-2-[5-(dimethylaminomethyl)-Ø-furfuryl]ethyl]-N'-methyl-2-nitrovinylenediamine (ranitidine); ranitidine bismutrex; C13H22N4O3S·Bi·C6H5O7; 128345-62-0
Histamine H2 receptor antagonist; treatment of peptic ulcer disease

Ranolazine (rINN) ran·ól·á·zën
N-(2,6-Dimethylphenyl)-2-[4-(2RS)-2-hydroxy-3-(2-methoxyphenoxy)propyl]piperazin-1-yl)acetamide; C24H33N3O4; 95635-55-5;
Inhibitor of late sodium currents; treatment of angina pectoris

The symbol ‘¬’ in systematic chemical names signifies line continuation
Rapacuronium Bromide \((\text{rINN})\) raˈpə-kürˈrō-nēˈüm

\(1-(3\alpha\text{-Acetoxy-2β-piperidino-17β-propionyloxy-5α-androstan-16β-yl})-1\text{-allylpiperidinium bromide; } \text{C}_{37}\text{H}_{61}\text{BrN}_{2}\text{O}_{4}; 156137-99-4\)

Non-depolarizing neuromuscular blocker

Rasagiline \((\text{rINN})\) raˈsaˌjīˈlēn

\((1R)-(\text{Prop-2-yn-1-yl})-2,3\text{-dihydro-1H-inden-1-amine; } \text{C}_{12}\text{H}_{13}\text{N}; 136236-51-6\)

Rasagiline Mesilate 161735-79-1

Monoamine oxidase type B inhibitor; treatment of Parkinson’s disease

Rasburicase \((\text{rINN})\) raˈsəˌbūrˈi-käs

A recombinant urate oxidase obtained from \textit{Aspergillus flavus}, expressed in yeast strain \textit{Saccharomyces cerevisiae}; 134774-45-1

Enzyme (recombinant urate oxidase); treatment and prophylaxis of hyperuricaemia

\[
\text{rasburicase has the following amino acid sequence:}
\]

\[
\begin{align*}
\text{Ac} & : \text{SAVK} & & \text{DKTG} & & \text{DE} \\
1 & : \text{AVYK} & & \text{GK} & & \text{TVVY} \\
\text{ETVC} & : \text{VB} & & \text{TS} & & \text{VT} \\
\text{V} & : \text{TAK} & & \text{FN} & & \text{PE} \\
\text{KY} & : \text{AHVN} & & \text{IVCH} & & \text{WTR} \\
\text{IRDSEEK} & : \text{RN} & & \text{RV} & & \text{EG} \\
\text{VK} & : \text{STNS} & & \text{FP} & & \text{EY} \\
\text{FD} & : \text{VQ} & & \text{WS} & & \text{R} \\
\text{ARE} & : \text{TVL} & & \text{TP} & & \text{EA} \\
\text{RQ} & : \text{LYET} & & \text{VE} & & \text{Y} \\
\text{TKNAEV} & : \text{FAP} & & \text{OSDP} & & \text{NLIK} \\
\text{F} & & \text{TV} & & \text{GRSSLK} \\
\end{align*}
\]

Razoxane \((\text{rINN})\) see Appendix C

Reboxetine \((\text{rINN})\) reˈboksˌēˈtēn

\((±)-(2R),(2S)-2\{α(RS)-α-(2\text{-Ethoxyphenoxy})benzy]morpholin\}; \text{C}_{19}\text{H}_{24}\text{NO}_{4}; 71620-89-8\)

Reboxetine Mesilate 98769-84-7

Noradrenaline reuptake inhibitor; antidepressant

Recainam \((\text{rINN})\) reˈkäˌnäm

\(1\text{-}[3\text{-}\text{(Isopropylamino)propyl}]\text{-}3\text{-}(2,6\text{-xylyl})urea; \text{C}_{19}\text{H}_{32}\text{N}_{2}O; 74738-24-2\)

Recainam Hydrochloride 74752-07-1

Recainam Tosilate 74752-08-2

Class I antiarrhythmic

Regorafenib \((\text{rINN})\) reˈgoˌrəˈfeˌnib

\(4\{\{4\text{-Chloro-3\text{-}(trifluoromethyl)phenyl}])\text{-}4\text{-amino-3\text{-fluorophenoxy}}]\text{-}N\text{-methylpyridine-2-carboxamide; } \text{C}_{21}\text{H}_{15}\text{ClF}_{4}\text{N}_{4}\text{O}_{3}; 755037-03-7\)

Tyrosine kinase inhibitor; treatment of metastatic colorectal cancer and unresectable or metastatic gastrointestinal stromal tumours

Regadenoson \((\text{rINN})\) reˈgəˌdeˌ nóˈson

\(1\text{-}[6\text{-Amino-9\text{-}(β-D-ribofuranosyl)-9H-purin-2-yl}]\text{-}N\text{-methyl-1H-pyrazole-4-carboxamide; } \text{C}_{19}\text{H}_{18}\text{N}_{8}\text{O}_{5}; 313348-27-5\)

Adenosine A\(_{2a}\) receptor agonist
Remifentanil (rINN) rem·i·fen·ta·nil  
Methyl 1-(2-methoxycarbonylethyl)-4-(N-phenylpropionamido)piperidine-4-carboxylate; C₂₀H₂₈N₂O₅; 132875-61-7  
Remifentanil Hydrochloride 132539-07-2  
Opioid receptor agonist; analgesic

Remoxipride (rINN) see Appendix C

Renzapride (rINN) ren·za·prïd  
(±)-endo-4-Amino-N-[1-azabicyclo[3.3.1]non-4-yl]-5-chloro-α-anisamide; C₁₆H₂₂ClN₃O₂; 11727-80-7;  
Renzapride Hydrochloride 88721-77-1  
Enterokinetic

Rescinnamine (rINN) re·si·na·mën  
Methyl-O-(3,4,5-trimethoxycinnamoyl)reserpate; C₃₅H₄₂N₂O₉; 24815-24-5  
Rauwolfia alkaloid; treatment of hypertension

Reserpine (rINN) re·ser·pën  
An alkaloid obtained from Rauwolfia serpentina Benth; (1) methyl 11,17α-dimethoxy-18β-(3,4,5-trimethoxybenzoyloxy)-3β,20α-yohimbane-16β-carboxylate; (2) Methyl O-(3,4,5-trimethoxybenzoyl)reserpate; C₃₅H₄₂N₂O₉; 50-55-5  
Rauwolfia alkaloid; treatment of hypertension

Retapamulin (rINN) re·ta·pa·mü·lin  
(3αS,4R,5S,6S,8R,9R,10R)-6-Ethenyl-5-hydroxy-4,6,9,10-tetramethyl-1-oxodecahydro-3α,9-propanocyclopenta[8]annulen-8-yl{[(1R,3S,5S)-8-methyl-8-azabicyclo[3.2.1]octan-3-yl]sulfanyl}acetate; C₃₀H₄₇NO₄S; 224452-66-8;  
Antibacterials

Reproterol (rINN) re·pro·te·rol  
7-[3-(β,3,5-Trihydroxyphenethylamino)propyl]theophylline; C₁₉H₂₃N₂O₇; 54063-54-6  
Reproterol Hydrochloride 13055-82-8  
Beta₂-adrenoceptor agonist; bronchodilator

The symbol ¬ in systematic chemical names signifies line continuation
Replase (rINN) re-te pläz
173-L-Serine-174-L-tyrosine-175-L-glutamine-173-
527-plasminogen activator (human tissue-type);  
133652-38-7  
Tissue-type plasminogen activator; fibrinolytic

Replase has the following amino acid sequence (cf alteplase):

```
YPGNGSAYRG THSLTESGAS CLPWNMSILI
GKYVTAPNPS AQALGGLKHN YCRNPDGDAK
PWCHVKNRR LTWEYCDVPS CSTCGLRQYS
```

Retigabine (rINN) re-ti-ga-ben
Ethyl (2-amino-4-[[4-fluorophenyl]methyl]amino)ethylphenyl)carbamate; C_{16}H_{18}FN_{3}O_{2}; 150812-12-7  
Neuronal potassium channel opener; antiepileptic

Retinol (rINN) re-ti-nol
(1) 15-Apo-ß-caroten-15-ol; (2) all-trans-3,7-dimethyl-9-
(2,6,6-trimethylcyclohex-1-enyl)nona-2,4,6,8-tetraen-1-ol;  
vitamin A alcohol; C_{20}H_{30}O; 68-26-8  
Vitamin A

Revatropate (rINN) re-va-trö-pät
(R)-3-Quinuclidinyl (2S)-2-hydroxymethyl-4-(R)-methyl−
sulfinyl-2-phenylbutyrate; C_{19}H_{27}NO_{4}S; 149926-91-0  
Revatropate Hydrobromide  
Anticholinergic

Reviparin Sodium (rINN) re-vi-pær-in sō-dë-üm
Sodium salt of a low molecular weight heparin that is obtained  
by nitrous acid depolymerisation of heparin from porcine  
testinal mucosa; the majority of the components have a 2-O-sulfo-α-1-idopyranosuronic acid structure at the  
non-reducing-end and a 6-O-sulfo-α-mannitol structure at the reducing end of their chain; the weight-average  
molecular weight ranges between 3150 and 5150, with a  
characteristic value of about 4250; the degree of sulfation is  
about 2.1 per disaccharide unit  
Low molecular weight heparin

Revospirone (rINN) re-vö-spî-rön
2-[(3-[4-(Pyrimidin-2-yl)piperazin-1-yl]propyl)-1,2-
benzothiazol-3(2H)-one 1,1-dioxide; C_{18}H_{21}N_{5}O_{3}S; 95847-87-3  
Hypnotic (veterinary)

Ribavirin (rINN) ri-bä-vîr-in
1-ß-D-Ribofuranosyl-1H-1,2,4-triazole-3-carboxamide;  
C_{10}H_{12}N_{4}O_{5}; 36791-04-5  
Antiviral (hepatitis C, respiratory syncytial virus)

Riboflavin (rINN) ri-bo-flä-vin
7,8-Dimethyl-10-(1'-o-ribyl)isoalloxazine; C_{15}H_{20}N_{4}O_{6};  
83-88-5; component in many proprietary preparations

Riboflavin Sodium Phosphate 130-40-5  
Vitamin B_{2}
Ribostamycin (rINN) see Appendix C

Ricasetron (rINN) ri·ka·se·tron
2,3-Dihydro-3,3-dimethyl-N-[(3r)-8-methyl-8-azabicyclo-[3.2.1]octan-3-yl]indole-1-carboxamide; C_{19}H_{27}N_{3}O; 117086-68-7
Ricasetron Hydrochloride 140865-88-9
Serotonin 5HT₃ receptor antagonist

Ridogrel (rINN) ri·dö·grel
(E)-5-[(3-Pyridyl)-3-trifluoromethylbenzylideneamino]-oxy-pentanoic acid; C_{18}H_{17}F_{3}N_{2}O_{3}; 110140-89-1
Thromboxane synthetase inhibitor

Rifabutin (rINN) ri·fa·bü·tin
(12Z,14E,24E)-((2S,16S,17R,18R,20R,21S)-1,2-Dihydro-5,6,9,17,19-pentahydroxy-23-methoxy-2,4,12,16,18,20,22-heptamethyl-8-(4-methylpiperazin-1-yliminomethyl)-1,11-dioxo-2,7-(epoxypentadeca-1,11,13-trienomino)naphtho-[2,1-b]furan-21-yl acetate; (2) 3-(4-methylpiperazin-1-yliminomethyl)rifamycin SV; C_{43}H_{58}N_{4}O_{13}; 13292-46-1
Rifabutin antituberculosis drug

Rifamycin (rINN) ri·fa·mï·sin
An ansamycin antibiotic produced by certain strains of Streptomyces mediterranei; (12Z,14E,24E)-((2S,16S,17S,18R,19R,20R,21S,22R,23S)-1,2-Dihydro-5,6,9,17,19-pentahydroxy-23-methoxy-2,4,12,16,18,20,22-heptamethyl-1,11-dioxo-2,7-(epoxypentadeca-1,11,13-trienomino)naphtho-[2,1-b]furan-21-yl acetate; rifamycin SV; C_{43}H_{58}N_{4}O_{13}; 6998-60-3
Rifamycin antituberculosis drug

Rifamycin Sodium 14897-39-3
Rifamycin antituberculosis drug

Rifamide (rINN) ri·fa·mid
Rifamycin B N,N-diethylamide; C_{45}H_{58}N_{13}O_{13}; 2750-76-7
Rifamycin antituberculosis drug
Rifapentine (rINN) ri·fa pena·tén
(4Z,6E,16E)-(83,95,10R,11R,12R,13S,14R,15S,19S)-26-[N-4-
Cyclopentylpiperazin-1-yl]formimidoyl]-9,11,23,25,27-
pentahydroxy-15-methoxy-4,8,10,12,19,22-heptamethyl-
3,30-dioxo-1,20-dioxo-2 azatetracyclo [17.6.5.021,29·024,28-
]tricosa-1(25),4,6,21(29),22,24(28),26-octaen-13-yl acetate; C₄₇H₆₄N₄O₁₂; 61379-65-5
Rifamycin antituberculosis drug

Rifaximin (rINN) ri·fak·si·min
Acetoxype-5,6,21,23-tetrahydroxy-27-methoxy-2,
4,11,16,20,22,24,26-octamethyl-2,7-
(epoxypentadeca[1,11,13]trienimino)furo[2,3-
':7,8']naptho[1,2-
:a]pyridine-1,15(2H)-dione; C₄₃H₅₁N₃O₁₁; 80621-81-4
Glucocorticoid

Rilpivirine (rINN) ril·pi·vi·re·n
4-{
4-[
{4-
(1E)-2-Cyanoethyl]-2,6-
dimethylphenyl}amino]pyrimidin-2-yl}amino|benzonitrile;
C₂₂H₁₈N₆; 500287-72-9
Rilpivirine Hydrochloride 700361-47-3
Non-nucleoside reverse transcriptase inhibitor; antiviral (HIV)

Riluzole (rINN) ri·lu·zol
6-Trifluoromethoxy-1,3-benzothiazol-2-ylamine; C₈H₅F₃N₂OS;
1744-22-5
Glutamate receptor antagonist; treatment of amyotrophic lateral
sclerosis

Rimantadine (rINN) ri·man·ta·dën
(RS)-1-(Adamantan-1-yl)ethyamine; C₁₂H₂₁N; 13392-28-4
Rimantadine Hydrochloride 1301-84-4
Viral replication inhibitor (influenza A)

Rimexolone (rINN) ri·meks·o·lön
11ß-Hydroxy-16α,17α-dimethyl-17β-propionylandrosta-1,4-
dien-3-one; C₂₃H₃₃O; 49697-38-3
Glucocorticoid

Rimoferon see Appendix C

Riociguat (rINN) ri·ö·gi·gwat
Methyl N-(4,6-diamo-2-{1-{(2-fluorophenyl)methyl}-1H-pyrazolo-
[3,4-b]pyridin-3-yl}pyrimidin-5-yl)-N-methylcarbamate; C₂₀H₁₉FN₈O₂;
625115-55-1
Guanylate cyclase stimulator; treatment of pulmonary hyperten-
sion

Rioprostil (rINN) ri·ö·pros·til
(E)-2R,3R,4R)-4-Hydroxy-2-(7-hydroxyheptyl)-3-(4-hydroxy-
4-methyloct-1-enyl)cyclopentanone; C₂₁H₃₇O₄; 77287-05-9
Prostaglandin (PGE₁) analogue

Risedronic Acid (rINN) ri·se·dro·nik
1-Hydroxy-2-(3-pyridyl)ethane-1,1-diybis(phosphonic acid);
C₂₁H₁₈NO₆P₂; 105462-24-6
Risedronate Sodium (monosodium) 115436-72-1
Bisphosphonate; treatment of osteoporosis, Paget’s disease
Risperidone (rINN) ris per ri dön
3-[2-[4-(6-Fluoro-1,2-benzoxazol-3-yl)piperidin-1-yl]ethyl]-2-methyl-6,7,8,9-tetrahydro-4H-pyrido[1,2-a]pyrimidin-4-one; C_{23}H_{27}FN_{4}O_{2}; 106266-06-2
Dopamine D_{2} receptor antagonist; serotonin 5HT_{2} receptor antagonist; neuroleptic

Ristianol (rINN) ris ti a nol
2-(4-Pyridylmethylthio)ethanol; C_{8}H_{11}NOS; 78092-65-6

Ristianol Phosphate 78092-66-7
Immunomodulator

Ristocetin (rINN) ris to se tin
Antimicrobial glycopeptides produced by Nocardia lurida; 1404-55-3
Antibacterial

Ritanserin (rINN) ri tan ser rin
6-[2-[4-(4,4'-Difluorobenzhydrylidene)piperidino]ethyl]-7-methyl-[1,3]thiazolo[3,2-α]pyrimidin-5-one; C_{23}H_{27}F_{2}N_{4}O_{5}; 87051-43-2
Serotonin 5HT_{2} receptor antagonist

Rivaroxaban (rINN) ri va roks a ban
5-Chloro-N-[[5S]-2-oxo-3-[4-(3-oxomorpholin-4-yl)phenyl]-1,3-oxazolidin-5-yl]methyl]thiophene-2-carboxamide; C_{19}H_{18}ClN_{3}O_{5}S; 366789-02-8
Factor Xa inhibitor; anticoagulant

Ritodrine (rINN) ri to drën
(±)-erythro-1-(4-Hydroxyphenyl)-2-(4-hydroxyphenethyl)-2-methylpropan-1-ol; C_{17}H_{21}NO_{3}; 26652-09-5

Ritodrine Hydrochloride 21239-51-2
Beta_{2}-adrenoceptor agonist; bronchodilator

Ritonavir (rINN) ri to na veer
N^6-[[1S,3S,4S]-1-Benzyl-3-hydroxy-5-phenyl-4-(1,3-thiazol-5-ylmethoxycarbonyl)amino]penty]-N^2-[[2-isopropyl-1,3-thiazol-4-yl]methyl[[(methyl)carbamoyl]-L-valinamide; C_{37}H_{48}N_{6}O_{5}S_{2}; 155213-67-5
Protease inhibitor; antiviral (HIV)

Rituximab (rINN) ri tuks i mab
Immunoglobulin G1, human/mouse monoclonal antibody IDEC-C2B8 directed against the human antigen CD20 consisting of murine variable domains with human κ light chains and γ1 heavy chains; anti-CD20 mab
Monoclonal antibody (CD-20 receptors); treatment of lymphomas and rheumatoid arthritis

Rivastigmine (rINN) ri va stig mën
3-[(1S)-1-(Dimethylamino)ethyl]phenyl ethyl(methyl)carbamate; C_{17}H_{22}N_{2}O_{2}; 123441-03-2

Rivastigmine Hydrogen Tartrate 129101-54-8
Cholinesterase inhibitor; treatment of dementia in Alzheimer’s disease and Parkinson’s disease

The symbol ‘¬’ in systematic chemical names signifies line continuation
Rizatriptan (rINN) rï·za·trip·tan
Dimethyl[2-{5-[1H-1,2,4-triazol-1-ylmethyl]indol-3-yl]ethyl]amine; C₇H₁₅N₅; 144034-80-0
- Rizatriptan Benzoate 145202-66-0
Serotonin 5HT₁ receptor agonist; treatment of migraine

Robalzotan (rINN) rö·bal·zö·tan
(R)-3-(Dicyclobutylamino)-8-fluoro-5-chromancarboxamide; C₁₈H₂₃FN₂O₂; 169758-66-1
Serotonin 5HT₁ receptor antagonist

Robenidine (rINN) rö·be·ni·dën
1,3-Bis(4-chlorobenzylideneamino)guanidine; C₁₅H₁₃Cl₂N₅; 25875-51-8
Antiprotozoal (veterinary)

- Rocuronium Bromide (rINN) rö·ku·ro·ni·üm·bro·mi·de
1-[17β-Acetoxy-3α-hydroxy-2β-morpholino-5α-androstan-16β-yl]-1-allylpyrrolidinium bromide; C₃₂H₅₃BrN₂O₄; 119302-91-9
Non-depolarizing neuromuscular blocker

Rofecoxib (rINN) rö·fë·koks·ib
4-(4-Mesyloxyphenyl)-3-phenylfuran-2(5H)-one; C₁₇H₁₄O₄S; 162011-90-7
Cyclo-oxygenase (COX-2) inhibitor; analgesic; anti-inflammatory

Roflumilast (rINN) ro·flo·mil·ast
3-(Cyclopropylmethoxy)-N-(3,5-dichloropyridin-4-yl)-4-(difluoromethoxy)benzamide; C₁₇H₁₂Cl₂F₂N₂O₅; 162401-32-3
Inhibitor of phosphodiesterase type 4 (PDE4); treatment of chronic obstructive pulmonary disease

Robeglitazone (rINN) rö·gle·ti·mï·dë
(RS)-2-Ethyl-2-(4-pyridyl)glutarimide; C₁₂H₁₄N₂O₂; 121840-95-7
Aromatase inhibitor; treatment of breast carcinoma

Rolgamidine (rINN) see Appendix C
Rolicyprine (rINN) see Appendix C
Rolitetracycline (rINN) rö·li·te·tra·sï·klën
N₂-(Pyrrolidin-1-ylmethyl)tetracycline; C₁₂H₁₄N₂O₂; 751-97-3
Rolitetracycline Nitrate 7681-32-5
Tetracycline antibacterial

Rolziracetam (rINN) rol·zi·ra·se·tam
Perhydropyrrolizine-3,5-dione; C₇H₉NO₂; 18356-28-0
Nootropic
Romazarit (rINN) ro·ma·za·rit
2-(2-p-Chlorophenyl-4-methyl-1,3-oxazol-5-ylmethoxy)-2-methylpropionic acid; C_{15}H_{16}ClNO_{4}; 109543-76-2
Romazarit Sodium 109544-09-4
Anti-inflammatory

Romifidine (rINN) ro·mi·fi·dën
2-Bromo-6-fluoro-N-(1-imidazolin-2-yl)aniline; C_{9}H_{9}BrFN_{3}; 65896-16-4
Romifidine Hydrochloride 65896-14-2
Alpha_{2}-adrenoceptor agonist

Romiplostim (rINN) ro·më·plö·tim
l-Methionyl[human immunoglobulin heavy constant gamma 1-(227 C-terminal residues)-peptide (Fc fragment)] fusion protein with 41 amino acids peptide, (7-7:10,10')-bisdisulfide dimer; 267639-76-9;
Fusion protein analogue of thrombopoietin; treatment of idiopathic thrombocytopenic purpura
romiplostim has the following amino acid sequence:

```
MDKTHTCPPC PAPELLGGPS VFLFPFPKPD
TIMISRTPEV TCVVVSVSHE DEFVKENWYV
DGVEVHNAKT KPREEQYNST YRUVSVLTLV
HODWNLGKEY KCKVSNKALP AFIKTISKA
KGQPREPQYV TLPPSOEELT KNQVSLTCLV
KGFPISDIAY EWELOGQFEN NYKTTPVLD
SDGSFFLYSK LTVDKSRWQQ GNVFSCSVMR
FALIMNYHTQK SLSLSPGRRG GGGIEGPTLR
QNLAAAGGGG GGGGGIEGPT LQRQNIARAA
```
disulfide bridges at locations 7-7', 10-10', 41-102, 42-102', 148-206, 148'-206'

Ronidazole (rINN) ro·ni·däl a·zól
(1-Methyl-5-nitroimidazol-2-yl)methyl carbamate; C_{4}H_{8}N_{4}O_{4}; 7681-76-7
Antiprotozoal

**Ropinrole** (rINN) rô·pi·ró·lô
4-[2-(Dipropylamino)ethyl]indolin-2-one; C_{16}H_{25}N_{2}O_{2}; 91374-21-9
- **Ropinrole Hydrochloride** 91374-20-8
  Dopamine receptor agonist

**Ropivacaine** (rINN) rô·pi·va·kän
(S)-2'-6'-Dimethyl-1-propyliptide-2-carboxanilide; C_{4}H_{6}N_{2}O_{2}; 84057-95-4
- **Ropivacaine Hydrochloride** 98717-15-8 (anhydrous), 132112-35-7 (monohydrate)
  Local anaesthetic

**Rosaramicin** (rINN) rös·a·ra·mi·sin
(E)-3-Ethyl-10-(formylmethyl)-7-hydroxy-2,8,12,16-tetramethyl-9-(3,4,6-trideoxy-3-dimethylamino-β-D-xylono-
 hexopyranosyloxy)-4,17-dioxabicyclo[14.1.0]heptadec-1-ene-5,13-dione; C_{21}H_{36}N_{5}O_{11}; 35834-26-3
Macrolide antibacterial

**Rosiglitazone** (rINN) rö·si·gli·ta·zön
(RS)-5-(4-{2-[Methyl(2-pyridyl)amino]ethoxy}benzyl)-1,3-thiazolidine-2,4-dione; C_{18}H_{19}N_{3}O_{3}S; 122320-73-4
Peroxisome proliferator-activated receptor (PPAR)-gamma agonist; treatment of diabetes mellitus

Rosoxacin (rINN) see Appendix C

The symbol ‘¬’ in systematic chemical names signifies line continuation
Rosuvastatin (rINN) ro·sü·va·sta·tin
\((E)-(3R,5S)-7\{4-(4-Fluorophenyl)-6-isopropyl-2-[methyl-(methylsulfonyl)amino]pyrimidin-5-yl\}-3,5-dihydroxyhept-6-enoic acid; C_{22}H_{28}FN_{3}O_{6}S\)
**Rosuvastatin Calcium 147098-20-2**
*HMG Co-A reductase inhibitor; lipid-regulating drug*

Rotigotine (rINN) rö·ti·gö·tën
\((6S)-6\{Propyl[2-(thiophen-2-yl)ethyl]amino\}-5,6,7,8-tetrahydronaphthalen-1-ol; C_{19}H_{25}NOS; 99755-59-6
*Dopamine D_{2} receptor agonist; treatment of Parkinson's disease and restless legs syndrome*

Roxarsone (rINN) roks·ar·sön
4-Hydroxy-3-nitrophenylarsonic acid; C_{6}H_{6}AsNO_{6}; 121-19-7
*Antiprotozoal*

Roxatidine (rINN) roks·a·ti·dën
\(N\{-3-(\alpha\text{-Piperidino}-m\text{-tolyl}oxy)propyl\}glycolamide; C_{17}H_{26}N_{2}O_{3}; 97900-88-4\)
*Histamine H_{2} receptor antagonist; treatment of peptic ulcer disease*

Roxatidine Acetate (rINN) roks·a·ti·dën a·së·tät
3-(\alpha\text{-Piperidino}-m\text{-tolyl}oxy)propylcarbamoylmethyl acetate; C_{19}H_{28}N_{2}O_{4}; 78628-28-1
**Roxatidine Acetate Hydrochloride 93793-83-0**
*Histamine H_{2} receptor antagonist; treatment of peptic ulcer disease*

Roxithromycin (rINN) roks·i·thrö·mï·sint
\((3R,4S,5S,6R,7R,9R,11S,12R,13S,14R)-4\{[(2,6-Dideoxy-3-C-methyl-3-O-methyl-a-ribo-hexopyranosyl)oxy]-14-ethyl-7,12,13-trihydroxy-10\{[(E)-[2-methoxyethoxy]methoxy]-imino\}-3,5,7,9,11,13-hexamethyl-6\{[3,4,6-trideoxy-3-(dimethylamino)-\beta\text{-o-xylo-hexopyranosyl}]oxy\}\} oxacyclotetradecan-2-one (erythromycin 9(E)\{[2-methoxyethoxy]methyl\}oxime); C_{41}H_{76}N_{2}O_{15}; 80214-83-1
*Macrolide antibacterial*

Rufinamide (rINN) rü·fin·a·mïd
1\{2,6-Difluorobenzyl\}-1H-1,2,3-triazole-4-carboxamide; C_{10}H_{8}F_{2}N_{4}O; 106308-44-5
*Antiepileptic*

Rufloxacin (rINN) roo·floks·a·sin
9-Fluoro-2,3-dihydro-10\{4-methylpiperazin-1-yl\}-7-oxo-7H-pyrido[1,2,3-de]1,4-benzothiazine-6-carboxylic acid; C_{17}H_{18}FN_{3}O_{3}S; 101363-10-4
*Fluoroquinolone antibacterial*

Rufocromomycin (rINN) see Appendix C

Rupatadine (rINN) roo·pat·a·dën
8-Chloro-11\{1\{5-methylpyridin-3-yl\}methyl\}piperidin-4-yl\text{-}d-6\{5H\text{-}benzo[1,2-b]pyridine; C_{19}H_{25}CN_{5}; 158876-82-5
**Rupatadine Fumarate 182349-12-8**
*Histamine H_{1} receptor and platelet activating factor antagonist; antihistamine*
**Rutoside** (rINN) *ro̱o·tö·śïd*
2-(3,4-Dihydroxyphenyl)-5,7-dihydroxy-4-oxo-4H-chromen-3-yl 6-O-(a-L-rhamnosyl)-b-D-glucoside; rutin; C_{27}H_{30}O_{16}; 153-18-2

Bioflavinoid

**Ruxolitinib** (rINN) *ruks·ö·lï·tin·ib*
(3R)-3-Cyclopentyl-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]propanenitrile; C_{17}H_{18}N_{6}; 941678-49-5

**Ruxolitinib Phosphate** 1092939-17-7
Tyrosine kinase inhibitor; treatment of myelofibrosis

**Sabcomeline** (rINN) *sab·kö·me·lën*
(Z)-[(R)-Quinuclidin-3-yl](methoxyimino)acetonitrile; C_{10}H_{15}N_{3}O; 159912-53-5

**Sabcomeline Hydrochloride**
Muscarinic M1 receptor partial agonist; treatment of Alzheimer’s disease

**Sabeluzole** (rINN) see Appendix C

**Safinamide** (rINN) *sa·fin·a·mïd*
(2S)-2-[(4-[3-(Fluoropheny)methoxy]phenyl)methyl]amino]propanamide; C_{17}H_{19}FN_{2}O_{2}; 133865-89-1

**Safinamide Methanesulfonate** 202825-46-5
Monoamine oxidase type B inhibitor; treatment of Parkinson's disease

**Salazosulfadimidine** (rINN) *sa·lä·zö·sul·fa·dï·mën*
4’-(4,6-Dimethylpyrimidin-2-ylsulfamoyl)-4-hydroxyazo-benzene-3-carboxylic acid; C_{19}H_{17}N_{5}O_{5}S; 2315-08-4

Aminosalicylate

**Salbutamol** (rINN) *sal·bü·ta·mol*
1-(4-Hydroxy-3-hydroxymethylphenyl)-2-(tert-butylamino)-ethanol; C_{11}H_{17}NO; 18559-94-9

**Salbutamol Sulfate** 51022-70-9
Beta-2-adrenoceptor agonist; bronchodilator and enantiomer

**Salcatonin** see Calcitonin (Salmon)

**Salicylamide** (rINN) *sa·li·sï·la·mïd*
2-Hydroxybenzamide; C_{7}H_{7}NO_{2}; 65-45-2

Salicylate; non-selective cyclo-oxygenase inhibitor; antipyretic; analgesic; anti-inflammatory

**Salinomycin** (rINN) *sa·li·nö·mï·sin*
(2R)-2-[(2R,5S,6R)-6-[(1S,2S,3S,5R)-5-[(2S,5S,7R,9S,10S,12R,15R)-2-[(2R,SR,6S)-5-Ethyltetrahydro-5-hydroxy-6-methylpyran-2-yl]-15-hydroxy-2,10,12-trimethyl-1,6,8-trioxadispiro[4.1.5.3]pentadec-13-en-9-yl]-2-hydroxy-1,3-dimethyl-4-oxoheptyl]tetrahydro-5-methylpyran-2-yl]butyric acid; C_{42}H_{70}O_{11}; 53003-10-4

Antiprotozoal (veterinary)

The symbol ‘¬’ in systematic chemical names signifies line continuation
Salmefamol (rINN) sal-mef·a-mol
1-(4-Hydroxy-3-hydroxymethylphenyl)-2-(4-methoxy-α-methylphenethylamino)ethanol; C_{19}H_{25}NO_{4}; 18910-65-1
Beta_{2}-adrenoceptor agonist; bronchodilator

Salmeterol (rINN) sal-mete-rol
(RS)-5-[1-Hydroxy-2-[6-(4-phenylbutoxy)hexylamino]-ethyl]salicyl alcohol; C_{25}H_{37}NO_{4}; 89365-50-4
• Salmeterol Xinafoate 94749-08-3
Beta_{2}-adrenoceptor agonist; bronchodilator

Salsalate (rINN) see Appendix C

Sampatrilat (rINN) sam·pa·tri·lat
N-[1-[(S)-2-Carboxy-3-[(N\textsuperscript{2}-mesyl-l-lysylamino)propyl]-cyclopentylcarbonyl]-l-tyrosine; C_{26}H_{40}N_{4}O_{9}S; 129981-36-8
Vasopeptidase inhibitor; treatment of hypertension

Sanfetrinem (rINN) san·fe·tri·nem
(1S,5S,8aS,8bR)-1,2,5,6,7,8,8a,8b-Octahydro-1-[(R)-1-hydroxy-ethyl]-5-methoxy-2-oxoazeto[2,1-α]isoindole-4-carboxylate; C_{14}H_{19}NO_{5}; 141611-76-9
Sanfetrinem Cilexetil; 141646-08-4
Sanfetrinem Sodium 141611-76-9
Trinem antibacterial

Saperconazole (rINN) sa·per·ko·na·zol
(±)-2-sec-Butyl-4-[4-(4-[2(RS,4SR)-2-(2,4-difluorophenyl)-1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-ylmethyl]phenyl)piperazin-1-yl)phenyl]-2,4-dihydro-1,2,4-triazol-3-one; C_{19}H_{14}F_{2}N_{5}O_{4}; 110598-57-3
Antifungal

Saprisartan (rINN) sa·pri·sar·tan
1-[[3-Bromo-2-[2-trifluoromethylsulfonylamino)phenyl]benzo[b]furan-5-ylmethyl]-4-cyclopropyl-2-ethyl-1H-imidazole-5-carboxamide; C_{25}H_{21}BrF_{3}N_{4}O_{6}S
Saprisartan Potassium 146623-69-0
Angiotensin II (AT_{1}) receptor antagonist

Sapropterin (rINN) sa·pro·ter·in
(6R)-2-Amino-6-[(1R,2S)-1,2-dihydroxypropyl]-5,6,7,8-tetrahydropteridin-4(3H)-one; C_{6}H_{17}N_{4}O_{5}; 62989-33-7;
Sapropterin Dihydrochloride 69056-38-8
Tetrahydrobiopterin analogue; treatment of phenylketonuria

Saprisartan (rINN) sa·pri·sar·tan
1-[[3-Bromo-2-[2-trifluoromethylsulfonylamino)phenyl]benzo[b]furan-5-ylmethyl]-4-cyclopropyl-2-ethyl-1H-imidazole-5-carboxamide; C_{25}H_{21}BrF_{3}N_{4}O_{6}S
Saprisartan Potassium 146623-69-0
Angiotensin II (AT_{1}) receptor antagonist
Saquinavir (rINN) *sa ku na veer*
N-{(1S,2R)-1-Benzyl-3-[(3S,4aS,8aS)-3-(tert-butyl-carbamoyl)perhydroisoquinolin-2-yl]-2-hydroxypropyl}-N-{(2-quinoylethyl)-L-aspartamidie; C_{36}H_{53}N_{6}O_{6}; 127779-20-8

**Saquinavir Mesilate** 149845-06-7
Protease inhibitor; antiviral (HIV)

Sarafloxacin (rINN) *sa ra froks a sin*
6-Fluoro-1-(4-fluorophenyl)-1,4-dihydro-4-oxo-7-piperazin-1-ylquinoline-3-carboxylic acid; C_{20}H_{17}F_{2}N_{3}O_{3}; 98105-99-8
**Sarafloxacin Hydrochloride** 91296-87-6
Fluoroquinolone antibacterial

Saralasin (rINN) *sa ra la sin*
[1-(N-Methylglycine),5-valine,8-alanine]angiotensin; C_{42}H_{65}N_{13}O_{10}; 34273-10-4
**Saralasin Acetate** 39698-78-7
Angiotensin converting enzyme inhibitor

Sargramostim (rINN) *sar gra mos tim*
Recombinant granulocyte macrophage colony stimulating factor; a glycosylated recombinant analogue expressed by Saccharomyces cerevisiae; GM-CSF; 83869-56-1
Recombinant human granulocyte macrophage colony-stimulating factor

For labelling purposes the following three-letter code, to indicate the method of production, is approved:
(rys) produced by fermentation using *Saccharomyces cerevisiae* containing a recombinant plasmid

**Sargramostim has the following amino acid sequence:**

\[
\text{Saruplase (rINN) sa roo pläs} \\
\text{Prourokinase (enzyme-activating)(human clone pA3/pD2/pF1 protein moiety), non-glycosylated; 99149-95-8} \\
\text{Urokinase-type plasminogen activator; thrombolytic}
\]

**saruplase has the following amino acid sequence (Cys—Cys bridging not shown):**

\[
\text{SNELHQVPSSN CCCLNGGTCV SNKYSNIH} \\
\text{CNPCKPGGGO HCRDKNKTC YEGNHYF} \\
\text{KASTDTMGRP CLPFWSATVL QTYNAHRSD} \\
\text{ALQGLGKHN YCRFNDNRR FWCVYYVQLK} \\
\text{PLQECMVHD CADGKPSSP FEELKPCQQ} \\
\text{KTLRPFRKII GGBPTTIENQ FWFAAIYR} \\
\text{RGGSVTYVC GSSLISPCWVI SATHCFIDYP} \\
\text{KKEDYIVLG RSRNISNTQG EMKFEVENLI} \\
\text{LHKDYSADTL AHINDIALK IRSKEGCAQ} \\
\text{PSRTIQTICL PSMYNDPQFG TSCBTTGFPGK} \\
\text{ENSTDDLYPE QLKVTVKLI SHRECQOPHY} \\
\text{YGSEVTKMKL CAADFQKWTD SCQGDSSGPL} \\
\text{VCSLQGRMTL TQIYSGWRCG ALKDKGVYT} \\
\text{RVSHFPLWIR SHTKEENGLA L}
\]

Satumomab (rINN) *sa tū mō mab*
Mouse IgG 1 cell monoclonal immunoglobulin
**Indium\[^{111}\text{In}^\] Satumomab Pendetide**
Monoclonal antibody \(^{111}\text{In}\); imaging of carcinomas

Saxagliptin (rINN) *saks á glip tin*
(1S,3S,5S)-2-[(2S)-2-Amino-2-(3-hydroxyadamantan-1-yl)acetyl]-2-azabicyclo[3.1.0]hexane-3-carbonitrile; C_{18}H_{25}N_{3}O_{2}; 361442-04-8
**Saxagliptin Hydrochloride** 709031-78-7
Dipeptidylpeptidase-4 inhibitor; treatment of type 2 diabetes mellitus

Secalciferol (rINN) *se kal ai fe rol*
(1) (5Z,7E)-(3S,24R)-9,10-Secocholesta-5,7,10(19)-triene-3,24,25-triol; (2) (24R)-24,25-dihydroxycholecalciferol; C_{27}H_{44}O_{3}; 55721-11-4
**Vitamin D analogue**

The symbol ‘¬’ in systematic chemical names signifies line continuation
Secbutabarbital (rINN) see Appendix C

Secnidazole (rINN) sek-ni·da·zôl
1-(2-Methyl-5-nitroimidazol-1-yl)propan-2-ol; C₇H₁₁N₃O₃; 3366-95-8
Antiprotozoal

Secobarbital Sodium (rINN) se·kö·bar·bi·tal
Sodium 5-allyl-5-(1-methylbutyl)barbiturate; C₁₂H₁₇N₂NaO₃; 309-43-3
Barbiturate

Secretin (rINN) se·krë·tin
A polypeptide hormone, obtained from duodenal mucosa, that activates pancreatic secretion and lowers the blood sugar level; 1393-25-5
Polypeptide hormone

Secukinumab (rINN) sek-yoo-kin·ü·mab
Immunoglobulin G1-kappa, anti-[Homo sapiens interleukin 17A (IL17A, IL-17A)], Homo sapiens monoclonal antibody; gamma1 heavy chain (1-457) [Homo sapiens VH (IGHV3-7*01 (92.90%) -(IGHD)-IGHJ2*01) [8.8.20] (1-127) -IGHG1*03 (128-457)], (230-215')-disulfide with kappa light chain (1'-215') [Homo sapiens VKAPPA (IGKV3-20*01 (100.00%) -IGKJ2*02) [7.3.9] (1'-108') - IGKC*01 (109'-215')]; (269-236'':239-239'')-bisdisulfide dimer; 1229022-83-6
Monoclonal antibody (IL-17A); treatment of plaque psoriasis and psoriatic arthropathy

Secukinumab has the following amino acid sequence:

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<tr>
<td>ALRHNYTQKS</td>
<td>NUFCSVUHME</td>
</tr>
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</table>

* glycosylation site

Seganserin (rINN) se·gan·ser rin
3-[2-[4-(4,4'-Difluorobenzhydrylidene)piperidino]ethyl]-2-methylpyridin-4-one; C₁₃H₁₂F₂N₂O; 87729-89-3
Seganserin Hydrochloride 97939-66-1
Serotonin 5HT₂ receptor antagonist
Selamectin (rINN) se·lá·mek·tin
((5Z,25S)-25-cyclohexyl-4′-O-de(2,6-dideoxy-3-O-methyl-α-L-arabinono-hexopyranosyl)-5-demethoxy-25-de(1-methylpropyl)-22,23-dihydro-5-(hydroxyimino)avermectin A1a); C_{43}H_{63}NO_{11}; 165108-07-6
Antihelminthic (veterinary)

Selamectin has the following amino acid sequence:

**Heavy chain sequence:**

```
QVQLVQSGAE VKFEGSSKVQ SCKASGYFTFT
DYNVWVKQA PGQGLQWIGN INPNNGGTYI
NQKFGKGTGL TVDKSTSTAY MELSSLTSED
TAVYCYCARSA FYNNYEVFDV WGGQTTVTVS
SASTKGPSVF PLAPCSRSTS EISTAALCFLV
KDYFEPVTSL SWSNGALTSG VHTTPAVLQS
SGLYSLSSVT TVPSSSLGKT YTCTNVDHKP
SNTKVDRKVE SKYGGPCFC SC PAPEFLGGPS
VFLLPPKKPD TLMISRTPBV CVVVDVSQVS
DFEVQFNWYV DGVEVHNAKT KPREEQFNST
YRVSVLTVL HQDWLNGKEY KCKVSNKGLP
SSIEKTISKA KGQPRFPQVY TLPPSEQEMT
KNOQVLTCVL KGPYFSDAIV EWSNGQPEN
NYKTTPEVLD SDGSSFYRSL LTVDKSRWSQ8
GNVFSCSVMH EALHNHYTQK SLSLSLGK
```

**Light chain sequence:**

```
DIMTQSPST LSASVGDVRT ITCKSSQSL
YSNQNQNYLA WYQQPGQAP KLLISWASTR
BSGVPSRFIG SGSGTBFTLT ISSLQPPDVA
TTYCCOQYDY PWTFGGQKTV EIKRTVAAPS
VFITPPSDEQ LKSGTASVVC LLNNFYMPEA
KVQQWVNDAL QGSONSQESVT EQDSDKDSTYS
LSTSLTSLDA YDEHKVYVAC EVTHQLGLSSP
VTKSPFNGEC
```

Senlizumab (rINN) sen·li·zü·mab
Humanised monoclonal anti-TNF alpha antibody; a glycoprotein consisting of 2 identical light chains and 2 identical heavy chains; the heavy chain is normally glycosylated; 336128-45-4
Monoclonal antibody (TNF alfa); treatment of Crohn’s disease and rheumatoid arthritis

Senlizumab has the following amino acid sequence:

```
COOH
Me
Me
Me
Me
Me
Me
Me

COONa

```

The symbol ‘¬’ in systematic chemical names signifies line continuation.
Seocalcitol (rINN) së-ō-kal-së-tol
(SZ,7E,22E,24E)-(1S,3R)-24a,26a,27a-Trihomo-9,10-secocholest-5,7,10(19),22,24-pentaene-1,3,25-triol; C_{30}H_{46}O_{3}; 134404-52-7
Vitamin D analogue

Sepazonium Chloride (rINN) se-pa-zö-në-um
(RS)-1-[2,4-Dichloro-3-(2,4-dichlorobenzyloxy)phenethyl]-3-phenethylimidazolium chloride; C_{26}H_{23}Cl_{5}N_{2}O; 54143-54-3
Antiseptic

Seractide (rINN) se-rak-tid
[31-Serine]corticotrophin; 12279-41-3
Corticotrophic peptide
seractide has the following amino acid sequence:
Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-
Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-
Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro-
Asp-Ala-Gly-Glu-Asp-Gln-Ser-Ala-
Glu-Ala-Phe-Pro-Leu-Glu-Phe

Sermorelin (rINN) ser-mo-re’lin
86168-76-7
Somatotropin (growth hormone releasing hormone) analogue
sermorelin has the following amino acid sequence:
Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-
Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-
Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-
Asp-Ile-Met-Ser-Arg-NH₂

Sertaconazole (rINN) ser-ta kon-a-zöl
(RS)-1-[2-[((7-Chloro-1-benzothien-3-yl)methoxy]-2-(2,4-dichlorophenyl)ethyl)imidazole; C_{20}H_{15}Cl_{3}N_{2}O_{5}; 99592-32-2
·Sertaconazole Nitrate 99592-39-9
Antifungal

Sertindole (rINN) ser-tin-dôl
1-(2-[4-[(5-Chloro-1-(4-fluorophenyl)indol-3-yl)piperidino]ethyl]imidazolidin-2-one; C_{24}H_{26}ClFN_{4}O; 106516-24-9
Dopamine D₂ receptor antagonist; serotonin 5HT₂ receptor antagonist; antipsychotic

Sertraline (rINN) ser-tra-lën
(1S,4S)-4-(3,4-Dichlorophenyl)-1,2,3,4-tetrahydro-1-naphthyl(methyl)amine; C_{17}H_{17}ClN; 79617-96-2
·Sertraline Hydrochloride 79559-97-0
Selective serotonin reuptake inhibitor; antidepressant
Serum Gonadotrophin (rINN)
A preparation of a glycoprotein fraction obtained from the serum or plasma of the pregnant mare capable of stimulating the follicles in the mammalian ovary
Equine serum gonadotrophin (veterinary)

Setazindol (rINN) se·ta·zindol
4’-Chloro-2’-[(methylamino)methyl]benzhydryl alcohol;
C<sub>15</sub>H<sub>16</sub>ClN0; 56481-43-7
Appetite suppressant

Sevelamer (rINN) se·ve·la·mer
Allylamine polymer with 2-chloroethyloxirane;
(C<sub>3</sub>H<sub>7</sub>N)<sub>m</sub>·(C<sub>3</sub>H<sub>5</sub>ClO)<sub>n</sub>; 52757-95-6
Sevelamer Carbonate 845273-93-0
Sevelamer Hydrochloride 182683-00-7
Phosphate binder; treatment of hyperphosphataemia

Sevoflurane (rINN) se·vo·flûr·rän
1,1,1,3,3,3-Hexafluoro-2-fluoromethoxypropane; C<sub>4</sub>H<sub>3</sub>F<sub>7</sub>O; 28523-86-6
General anaesthetic

Sibutramine (rINN) sī·bü·tra·mën
1-{[1-4-Chlorophenylcyclobutyl]-3-methylbutyldimethylamine;
C<sub>13</sub>H<sub>26</sub>CIN; 106650-36-0
Sibutramine Hydrochloride 84485-00-7
Inhition of 5HT and noradrenaline reuptake; appetite suppressant

Siguazodan (rINN) sī·gwa·zö·dan
(RS)-2-Cyano-1-methyl-3-[4-(4-methyl-6-oxo-1,4,5,6-tetrahydropyridazin-3-yl)phenyl]guanidine; C<sub>16</sub>H<sub>16</sub>N<sub>6</sub>O; 115344-47-3; 99591-83-0
Inhibitor of phosphodiesterase IV; positive inotrope

Sildenafil (rINN) sil·de·na·fil
5-[2-Ethoxy-5-(4-methylpiperazin-1-ylsulfonyl)phenyl]-1,6-dihydro-1-methyl-3-propylpyrazolo[4,3-d]pyrimidin-7-one;
C<sub>22</sub>H<sub>30</sub>N<sub>6</sub>O<sub>4</sub>S; 139755-83-2
Sildenafil Citrate
Selective inhibitor of cyclic GMP specific phosphodiesterase (Type V) with vasodilator action; treatment of male erectile dysfunction

Silodosin (rINN) sī·lö·dö·sin
1-(3-Hydroxypropyl)-5-[(2R)-2-[[2-((2,2,2-trifluoroethoxy)phenoxy)ethyl][amino][propyl]-2,3-dihydro-1H-indole-7-carboxamide; C<sub>25</sub>H<sub>25</sub>F<sub>3</sub>N<sub>2</sub>O<sub>4</sub>; 361442-04-8;
Alpha-adrenoceptor antagonist; treatment of benign prostatic hyperplasia

The symbol ‘¬’ in systematic chemical names signifies line continuation
**Siltuximab** (rINN) sil tük-s·i·mab
Immunoglobulin G1-kappa, anti-[Homo sapiens interleukin 6 (IL6, IL-6)], chimeric monoclonal antibody; gamma1 heavy chain (1-449) [Mus musculus VH (IGHV5-9*01 -IGHD-IGHJ4*01) [8.8.12] (1-119) -Homo sapiens IGHG1*01 (120-449)], (222-213')-disulfide with kappa light chain (1'-213') [Mus musculus V-KAPPA (IGKV4-55*01 -IGKJ2*01) [5.3.9] (1'-106') -Homo sapiens IGKC*01 (107'-213')]; (228-228'':231-231')-bisdisulfide dimer; 541302-14-1
Monoclonal antibody (interleukin-6); treatment of Castleman’s disease

Siltuximab has the following amino acid sequence:

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* glycosylation sites

- **Simeticone** (rINN) sim·eti·kön
  α-(Trimethylsilyl)-so-methylpoly(oxy(dimethylsilylene)), mixture with silicon dioxide; 8050-81-5
  Silicon dioxide analogue; defoaming agent

- **Simvastatin** (rINN) sim·va·sta·tin
  (1S,3R,7S,8aR)-1,2,3,7,8,8a-Hexahydro-3,7-dimethyl-8-[(2R,4R)-tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl]ethyl]-1-naphthyl 2,2-dimethylbutyrate; C25H38O5; 79902-63-9
  HMG Co reductase inhibitor; lipid-regulating drug

- **Sincalide** (rINN) sin·ka·lid
  De-1-(5-oxo-l-proline)-de-2-l-glutamine-5-methionine-caerulein; C15H20N6O5S3; 25126-32-3
  Cholecystokinin analogue
  Asp-Tyr(SO3H)-Met-Gly-Trp-Met-Asp-Phe-NH2

- **Sipatrigine** (rINN) sip·at·ri·jën
  2-(4-methylpiperazin-1-yl)-5-(2,3,5-trichlorophenyl)pyrimidin-4-amine; C15H16Cl3N5; 130800-90-7
  Neuroprotective agent

**Simeprevir** (rINN) si·me·prev·ir
(2R,3aR,10Z,11aS,12aR,14aR)-N-(Cyclopropanesulfonyl)-2-(7-methoxy-8-methyl-2-[4-(propan-2-yl)-1,3-thiazol-2-yl]quinolin-4-yl)oxy)-5-methyl-4,14-dioxo-2,3,3a,4,5,6,7,8,9,10a,11a,12,13,14, 14a-tetrahydrodicyclopenta[c]cyclopropa[g]1,6]diazacyclo tetradecine-12a(1H)-carboxamide; C38H47N5O7S2; 923604-59-5
Serine protease inhibitor; antiviral (hepatitis C)
Sirolimus (rINN) si·ro·li·mus
Calcineurin inhibitor; immunosuppressant

**Siromazine (rINN)**

An antimicrobial base produced by *Micromonospora inyoensis*.

- (1) 4-O-[(2R,3R)-cis-3-amino-6-aminoethyl-3,4-dihydro-2H-pyran-2-yl]-2-deoxy-6-O-(3-deoxy-4-C-methyl-3-methylamino-β-l-arabinopyranosyl)streptamine;
- (2) 2-deoxy-6-O-(3-deoxy-4-C-methyl-3-methylamino-β-l-arabinopyranosyl)-4-O-(2,6-diamino-2,3,4,6-tetra-deoxy-D-glycero-hex-4-enopyranosyl)-D-streptamine; C_{19}H_{37}N_{5}O_{7}; 32385-11-8
Aminoglycoside antibacterial

**Sitamaquine (rINN)**

N,N-Diethyl-N’-(6-methoxy-4-methyl-8-quinolyl)hexane-1,6-diamine; C_{10}H_{13}N_{2}O; 57695-04-2
Antiprotozoal; treatment of leishmaniasis

**Sitamaquine Hydrochloride (2HCl)** 5330-29-0

**Sodium Acetrizoate (rINN)**

Sodium 3-acetamido-2,4,6-tri-iodobenzoate; C_{36}H_{24}INO_{5}; 129-63-5
Iodinated X-ray contrast medium

**Sodium Anoxynaphthonate (rINN)**

Trisodium 4’-anilino-8-hydroxy-1,1’-azonaphthalene-3,5’,6-trisulfonate; Coomassie Blue; C_{26}H_{20}N_{4}Na_{3}O_{10}S_{3}; 3861-73-2
Investigation of cardiac disease

**Sodium Antimonylgluconate (rINN)**

Sodium salt of an antimony(III)derivative of gluconic acid; C_{6}H_{8}NaO_{7}Sb; 16307-91-5
Antihelminthic

**Sodium Apolate (rINN)**

Poly(sodium ethylenesulfonate); sodium lyapolate; 25053-27-4
Heparinoid; anticoagulant

The symbol ‘¬’ in systematic chemical names signifies line continuation
- Sodium Calcium Edetate (rINN) sö·dë·um kal·së·um ei·de·ät
  Calcium disodium ethylenediaminetetra-acetate; calcium
  disodium versenate; C₁₀H₁₂CaN₂Na₂O₈; 62-33-9
  Chelating agent

- Sodium Cyclamate (rINN) sö·dë·um si·kla·mat
  Sodium N-cyclohexylsulfamate; C₆H₁₂NNaO₃S; 139-05-9
  Sweetening agent

- Sodium Dibunate (rINN) sö·dë·um di·bü·nät
  Sodium 2,6-di-tert-butylphenalene-1-sulfonate; C₁₄H₂₃NaO₃S;
  14992-59-7
  Cough suppressant

- Sodium Diprotrizoate (rINN) sö·dë·um di·prö·trï·zö·ät
  Sodium 3,5-dipropionamido-2,4,6-tri-iodobenzoate;
  C₁₃H₁₂I₃N₂NaO₄; 129-57-7
  Iodinated X-ray contrast medium

- Sodium Feredetate (rINN) sö·dë·um fer·de·tät
  Iron(III)sodium ethylenediaminetetra-acetate; C₁₀H₂₁FeN₂NaO₈;
  15708-41-5
  Source of iron

- Sodium Glucaldrate (BAN)
  Sodium diaquagluconato(2−)-O¹,O²-dihydroxoaluminate
  Antacid chelate

- Sodium Glucaspaldrate (rINN) see Appendix C

- Sodium Iopodate (rINN) sö·dë·um iö·po·dät
  Sodium 3-(3-dimethylaminomethyleneamino-2,4,6-
  tri-iodophenyl)propionate; C₁₂H₁₂I₃N₂Na₂O₄; 1221-56-3
  Iodinated X-ray contrast medium

- Sodium Ironedetate see Sodium Feredetate

- Sodium Metrizoate (rINN) sö·dë·um me·trï·zö·ät
  Sodium 3-acetamido-2,4,6-tri-iodo-5-N-
  methylacetamidobenzoate; C₁₂H₁₀I₃NaO₄; 7225-61-8
  Iodinated X-ray contrast medium

- Sodium Phenylbutyrate (BAN)
  Sodium 4-phenylbutyrate; C₁₀H₁₁NaO₂; 1716-12-7
  Glutamine conjugate; treatment of hyperammonaemia

- Sodium Picosulfate (rINN) sö·dë·um pi·kö·sul·fät
  Disodium 4,4′-(2-pyridyl)methylene(diphenyl sulfate);
  C₁₃H₁₂NNa₂O₈S₂; 10040-45-6
  Stimulant laxative

- Sodium Stibocaptate (rINN) sö·dë·um sti·bö·kap·tät
  Hexasodium salt of 2,2′-(meso-1,2-dicarboxy ethyl-
  enedithio)bis(1,3,2-dithiastibolane-4,5-dicarboxylic acid);
  C₁₂H₁₂Na₂O₁₈S₆Sb₂; 5064-61-7
  Trivalent ammonium compound; anthelmintic

Sodium Stibocaptate see Appendix C
Sodium Stibogluconate (rINN) sö·dë·um sti·bō·glü·ko·nät
Disodium salt of μ-oxy-bis[gluconato(3–)-O2,O3,O4-]
hydroxoantimony; C14H10Na2O15Sb2 (approximate); 16037-91-5
Trivalent ammonium compound; anthelminthic

Sodium Timerfonate (rINN) sö·dë·um ti·mer·fo·nät
Sodium 4-(ethylmercurithio)benzenesulfonate; C9H9HgNaO3S2; 5964-24-9
Preservative

Sodium Tyropanoate (rINN) sö·dë·um tîr·rö·pā·nō·ät
Sodium 2-(3-butyramido-2,4,6-tri-iodobenzyl)butyrate; C15H17I3NNaO3; 7246-21-1
Iodinated X-ray contrast medium

Sofosbuvir (rINN) so·fos·bü·veer
Propan-2-yl N-[(S)-{(2R,3R,4R,5R)-5-(2,4-dioxo-3,4-dihydropyrimidin-1(2H)-yl)-4-fluoro-3-hydroxy-4-methyloxolan-2-yl}methoxy]phenoxophosphoryl]-l-alaninate; C22H29FN3O9P; 1190307-88-0
RNA polymerase inhibitor; antiviral (hepatitis C)

Solanezumab (rINN) só·lah·ne·zū·mab
Immunoglobulin G1-kappa, anti-[Homo sapiens amyloid-beta (Abeta) peptide soluble monomer], humanized monoclonal antibody; gamma1 heavy chain [humanized VH (Homo sapiens IGHV3-23*04 (87.60%) - (IGHD)-IGHJ4*01) [8.8.5] (1-112) - Homo sapiens IGHG1*01 (113-442)]; (215-219')- disulfide with kappa light chain (1'-219') [humanized V-KAPPA (Homo sapiens IGKV2-30*01 (90.00%) - IGKJ1*01) [11.3.9] (1'-112) - Homo sapiens IGKC*01 (113'- 219')] (221-224”的-224”)- bisdisulfide dimer; 955085-14-0
Monoclonal antibody (amyloid-beta); treatment of Alzheimer’s disease

The symbol ‘¬’ in systematic chemical names signifies line continuation
Solimastat (rINN) so·lim·a·stat
(2S,3R)-3-[{(1S)-(2,2-Dimethyl-1-(2-pyridylcarbamoyl)-propyl[carbamoyl]-2-methoxy-5-methylhexanohydroxamic acid; C₂₀H₃₂N₄O₅
Matrix metalloproteinase inhibitor

Somalapor (rINN) sö·ma·la·por
l-Alanyl-somatotropin (porcine); 106282-98-8
Porcine somatotropin derivative (veterinary)
somalapor has the following amino acid sequence:

Somatostatin (rINN) sö·ma·tö·sta·tin
C₂₇H₄₀N₁₈O₁₉S₂; 38916-34-6
Growth hormone release inhibiting hormone
somatostatin has the following amino acid sequence:

Somatropin (rINN) sö·ma·trö·pin
Synthetic human growth hormone; a protein having the normal structure of the major (22K) component of natural human
growth hormone produced by the pituitary. When produced by
synthesis or other artificial means the name, for labelling
purposes, carries in parentheses an approved code in lower case
letters indicative of the method of production;
12629-01-3
Growth hormone
The following codes are approved and others will be made
available as the need arises:
(epr) produced by enzymatic conversion of a precursor
produced by a bacterium genetically modified by recombinant
DNA technology
(rbe) produced from bacteria genetically modified by recombinant DNA technology
(rmc) produced from genetically engineered and transformed mammalian (mouse) cells;
somatropin has the following amino acid sequence:

Somatrem (rINN) sö·ma·trö·pin
Methionyl human growth hormone; 82030-87-3
Growth hormone analogue
somatrem has the following amino acid sequence:

Somenopor (rINN) sö·me·nö·por
l-Alanyl-des-(32-38)-somatotropin (porcine); 119693-74-2
Porcine somatotropin derivative (veterinary)
somenopor has the following amino acid sequence:

Sometribove (rINN) sö·me·tri·böv
Methionyl bovine growth hormone; 102744-97-8
Bovine somatotropin derivative (veterinary)
sometribove has the following amino acid sequence:
Sometripor (rINN) sö·me·tri·por
Methionyl porcine growth hormone; 102733-72-2
Porcine somatomedin derivative (veterinary)
sometripor has the following amino acid sequence:

\[
\text{MPFAMSLSGL FAVALRQAH LKQLADTFK}
\]
\[
\text{EFERTYPEG QRYSIQNTAV ACPFSITIPA}
\]
\[
\text{FTGKNAQQK SDLELRISL LIQISWGLFL}
\]
\[
\text{QFLSRFVTNS LVFGRSDRVY EKLKDQEGLI}
\]
\[
\text{LAIMRELEGG TPRAGQILKQ TYDQDFTNMR}
\]
\[
\text{SDALLKNYG LLSCFRKDLH KTETYLRVMR}
\]
\[
\text{CRRFGEASCA F}
\]

Somidobove (rINN) sö·mi·dö·böv
Synthetic bovine growth hormone; 89383-13-1
Bovine somatomedin derivative (veterinary)
somidobove has the following amino acid sequence:

\[
\text{MFPLDDDDKF PAMSLSGLFA NAVLRARQLH}
\]
\[
\text{QLAADTFKEF ERTYPEGQR YSIQNTQAF}
\]
\[
\text{CPSETIPAPT GKEAQQKSD LELLRISLLLL}
\]
\[
\text{IQSWLQPLQP LSRFVTNSLV FGRSDVYEK}
\]
\[
\text{KLDLEGILA IMRELEGEDTP RAGQILKQTY}
\]
\[
\text{DKFDTNMRSD DALLKNYGL SCFRKDLHKT}
\]
\[
\text{ETYLVRMR CR RFGEASCAF}
\]

Sorafenib (rINN) so·ra·fe·nib
4-(4-[[4-Chloro-3-(trifluoromethyl)phenyl]carbamoyl amino][phenoxy]-N-methylpyridine-2-carboxamide;
\( \text{C}_{21}\text{H}_{16}\text{ClF}_{3}\text{N}_{4}\text{O}_{3}; 284461-73-0; } \)
Sorafenib Tosilate 475207-39-1
Inhibitor of multiple tyrosine kinases; antineoplastic

\[
\text{Sorbitan Laurate (rINN) sor·bi·tan lor·rät}
\text{Sorbitan monolaurate; } \text{C}_{16}\text{H}_{32}\text{O}_{6}; 1338-39-2
\text{Non-ionic surfactant}
\]

\[
\text{Sorbitan Oleate (rINN) sor·bi·tan ör·lät}
\text{Sorbitan mono-oleate; } \text{C}_{24}\text{H}_{44}\text{O}_{6} \text{ (approximate); 1338-43-8}
\text{Non-ionic surfactant}
\]

\[
\text{Sorbitan Palmitate (rINN) sor·bi·tan parl·mi·tät}
\text{Sorbitan monopalmiate; } \text{C}_{23}\text{H}_{46}\text{O}_{6} \text{ (approximate); 26266-57-9}
\text{Non-ionic surfactant}
\]

\[
\text{Sorbitan Sesquioleate (rINN) sor·bi·tan ses·kwë·ör·lät}
\text{Sorbitan sesquioleate; } \text{C}_{33}\text{H}_{60}\text{O}_{8} \text{ (approximate); 8007-43-0}
\text{Non-ionic surfactant}
\]

\[
\text{Sorbitan Stearate (rINN) sor·bi·tan steer·rät}
\text{Sorbitan monostearate; } \text{C}_{24}\text{H}_{46}\text{O}_{6} \text{ (approximate); 1338-41-6}
\text{Non-ionic surfactant}
\]

\[
\text{Sorbitan Tristearate (rINN) sor·bi·tan tri·steer·rät}
\text{Sorbitan tristearate; } \text{C}_{60}\text{H}_{114}\text{O}_{8} \text{; 26658-19-5}
\text{Non-ionic surfactant}
\]

\[
\text{Sorbitan Trioleate (rINN) sor·bi·tan tri·ör·lät}
\text{Sorbitan trioleate; } \text{C}_{60}\text{H}_{108}\text{O}_{8} \text{; 5960-06-5}
\text{Non-ionic surfactant}
\]

\[
\text{Sorbitan Tristearate (rINN) sor·bi·tan tri·steer·rät}
\text{Sorbitan tristearate; } \text{C}_{60}\text{H}_{114}\text{O}_{8} \text{; 26658-19-5}
\text{Non-ionic surfactant}
\]

Sorivudine (rINN) sor·ri·vü·dën
\((E)-1\beta-L\text{-Arabinofuranosyl}-5\text{-}(2\text{-bromovinyl})uracil; \)
\( \text{C}_{11}\text{H}_{13}\text{BrN}_{5}\text{O}_{4}; 77181-69-2
\text{Antiviral (varicella zoster)}
\]
Sotalol (rINN) só-ta-lol
4-(1-Hydroxy-2-isopropylaminoethyl)methanesulfonanilide; C₁₂H₂₀N₂O₃S; 3930-20-9
- Sotalol Hydrochloride 959-24-0
Beta-adrenoceptor antagonist; class II and class III antiarrhythmic

Sparfloxacin (rINN) spår floks-a-sin
5-Amino-1-cyclopropyl-7-(cis-3,5-dimethylpiperazin-1-yl)-6,8-difluoro-1,4-dihydro-4-oxoquinoline-3-carboxylic acid; C₁₉H₂₂F₂N₄O₃; 110871-86-8
Fluoroquinolone antibacterial

Spectinomycin (rINN) spek tin′-ö-mí′sin
An antimicrobial substance produced by Streptomyces spectabilis; [2R]-{2a,4ab,5b,6b,7b,9a,9aa,10ab}-perhydro-4a,7,9-trihydroxy-2-methyl-6,8-bis(methylamino)pyrano[2,3-b][1,4]benzodioxin-4-one; C₁₉H₂₄N₂O₇; 1695-77-8
- Spectinomycin Hydrochloride 22189-32-8 (pentahydrate); 21736-83-4 (anhydrous)
- Spectinomycin Sulfate
Aminocyclitol antibacterial

Spiperone (rINN) spî′pe-rón
8-[[3-(4-Fluorobenzoyl)propyl]-1-phenyl-1,3,8-triazaspiro[4.5]decan-4-one; C₂₂H₂₀F₂N₂O₅S; 749-02-0
Dopamine receptor antagonist; neuroprotective agent

Spironolactone (rINN) spîr-ö-nô′lak-tón
7α-Acetylthio-3-oxo-17α-pregn-4-ene-21,17β-carbolactone; C₂₅H₃₂N₂O₅; 52-01-7
Aldosterone receptor antagonist; potassium-sparing diuretic

Spironolactone see Androstanolone

Spirapril (rINN) spîr-rå′pril
(S)-7-[(N)-(S)-1-Ethoxycarbonyl-3-phenylpropyl]l-alanyl]-1,4-dithia-7-azaspiro[4.4]nonane-8-carboxylic acid; C₉₂H₉₀N₂O₅S₂; 83647-97-6
- Spirapril Hydrochloride 94841-17-5
Angiotensin converting enzyme inhibitor

Spiramine see Appendix C

Spiroplatin (rINN) spîr-plà′tin
cis-(Cyclohexylidenedimethyleneammonium-N,N′)(sulfato) platinum; C₁₉H₁₈N₂O₅PtS; 74790-08-2
Platinum-containing antineoplastic

Spiralene see Appendix C

Spirogermanium see Appendix C

Spiralene (rINN) see Appendix C

Stanolone see Androstanolone

Stanolone
Stanozolol (rINN) sta\textsuperscript{-nö}z\textsuperscript{-ö}l\textsuperscript{17a}-Methyl-2\textsuperscript{H}-5\textsuperscript{a}-androst-2-eno[3,2-\textsuperscript{c}]pyrazol-17\textsuperscript{b}-ol; C\textsubscript{21}H\textsubscript{32}N\textsubscript{2}O; 10418-03-8
Anabolic steroid; androgen

Stavudine (rINN) sta\textsuperscript{-vū}d\textsuperscript{e}n\textsuperscript{1-(2,3-Dideoxy-\textbeta-o-glycero-pent-2-enofuranosyl)-5-methyl-\textbeta-uracil; C\textsubscript{10}H\textsubscript{12}N\textsubscript{2}O\textsubscript{4}; 3056-17-5
Nucleoside analogue reverse transcriptase inhibitor; antiviral (HIV)

Stibamine Glucoside (rINN) sti\textsuperscript{-bā}mën glo\textsuperscript{-kō}s\textsuperscript{Sodium [4-(glucopyranosylamino)phenyl]trioxoantimonate; C\textsubscript{36}H\textsubscript{49}N\textsubscript{3}NaO\textsubscript{22}Sb\textsubscript{3}; 1344-34-9
Antiprotozoal

Stibocaptate see Sodium Stibocaptate

Stilbamidine Isetionate (rINN) stil\textsuperscript{-ba}mi\textsuperscript{dë}n\textsuperscript{Stilbene-4,4\textprime{-dicarboxamidine di-(2-hydroxyethane)-sulfonate; C\textsubscript{20}H\textsubscript{28}N\textsubscript{4}O\textsubscript{8}S\textsubscript{2}; 140-59-0
Antiprotozoal; treatment of leishmaniasis

Stibocaptate see Sodium Stibocaptate

Stilbazium Iodide (rINN) stil\textsuperscript{-bā}zë\textsuperscript{b},b\textprime-\textipa{1-Ethylpyridinium-2,6-diyl)bis(4-pyrrolidin-1-ylstyrene) iodide; C\textsubscript{53}H\textsubscript{38}IN\textsubscript{3}; 3784-99-4
Antihelminthic

Stilboestrol see Diethylstilbestrol

Stirimazole (rINN) see Appendix C

Streptodornase (rINN) strep\textsuperscript{-tō-dör-näz\textsuperscript{An enzyme obtained from cultures of various strains of Streptococcus haemolyticus and capable of catalysing the depolymerisation of polymerised deoxyribonucleoproteins; 37340-82-2
Fibrinolytic enzyme

Streptoduocin (BAN) strep\textsuperscript{-tō-du-o\textsuperscript{A mixture of equal parts of dihydrostreptomycin sulfate and streptomycin sulfate
Antibacterial; antituberculosis drug

Streptokinase (rINN) strep\textsuperscript{-tō-kï-näz\textsuperscript{An enzyme obtained from cultures of various strains of Streptococcus haemolyticus and capable of changing plasminogen into plasmin; 9002-02-1
Plasminogen activator; fibrinolytic

Streptomycin (rINN) strep\textsuperscript{-tō-mï\textsuperscript{O-2-Deoxy-2-methylamino-\textalpha-\textl-glucopyranosyl-(1\textregarrowleft2)-O-5-deoxy-3-\textalpha-\textl-lyxofuranosyl-(1\textregarrowleft4)-N\textsubscript{3},N\textsubscript{3}-diamidino-\textalpha-streptamine; C\textsubscript{21}H\textsubscript{16}N\textsubscript{3}O\textsubscript{12}; 57-92-1
Antiprotozoal; treatment of leishmaniasis

Streptomycin Sulfate 3810-74-0
Aminoglycoside antibacterial; antituberculosis drug

The symbol ‘\textquoteleft\textquoteleft’ in systematic chemical names signifies line continuation
Streptoniazid (rINN) see Appendix C

Styramate (rINN) see Appendix C

Succimer (rINN) suks-ī-mer
meso-2,3-Dimercaptosuccinic acid; C₇H₈O₄S₂; 304-55-2
Non-radioactive chemical precursor for diagnostic imaging radiopharmaceutical

Succim erase, meso-2,3-Dimercaptosuccinic acid; C₇H₈O₄S₂; 304-55-2
Non-radioactive chemical precursor for diagnostic imaging radiopharmaceutical

Sucralox (rINN) see Appendix C

Sudoxicam (rINN) südoks-ī-kam
4-Hydroxy-2-methyl-N-(1,3-thiazol-2-yl)-1,2-benzothiazine-3-carboxamide 1,1-dioxide; C₁₉H₁₁N₃O₂S₂; 34042-85-8
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Sucralox (rINN) see Appendix C

Sucralose (BAN) sükra-lōs
1,6-Dichloro-1,6-dideoxy-β-D-fructofuranosyl 4-chloro-4-deoxy-α-D-galactopyranoside; 56038-13-2; C₁₂H₁₀Cl₁O₈
Sweetening agent

Sucralose (BAN) sükra-lōs
1,6-Dichloro-1,6-dideoxy-β-D-fructofuranosyl 4-chloro-4-deoxy-α-D-galactopyranoside; 56038-13-2; C₁₂H₁₀Cl₁O₈
Sweetening agent

Sucralose (BAN) sukra-lōs
1,6-Dichloro-1,6-dideoxy-β-D-fructofuranosyl 4-chloro-4-deoxy-α-D-galactopyranoside; 56038-13-2; C₁₂H₁₀Cl₁O₈
Sweetening agent

Sucralose (BAN) sukra-lōs
1,6-Dichloro-1,6-dideoxy-β-D-fructofuranosyl 4-chloro-4-deoxy-α-D-galactopyranoside; 56038-13-2; C₁₂H₁₀Cl₁O₈
Sweetening agent
Sugammadex (rINN) sü·gam·má·deks
Cyclooctakis-(1→4)-[6-S-(2-carboxyethyl)-6-thio-α-D-glucopyranosyl]; C_{72}H_{112}O_{48}S_{8}; 343306-71-8
Sugammadex Sodium 343306-79-6
Modified gamma cyclodextrin; reversal of neuromuscular blockade in general anaesthesia

Sulbactam (rINN) sul·bak·tam
(1) (255R)-3,3-Dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid 4,4-dioxide; (2) Penicillanic acid 1,1-dioxide; C_{8}H_{11}NO_{5}S; 68373-14-8
• Sulbactam Sodium 69388-84-7
Beta-lactam antibacterial

Sulconazole (rINN) sul·kon·zöl
1-[2,4-Dichloro-β-(4-chlorobenzylthio)phenethyl]imidazole; C_{18}H_{15}Cl_{3}N_{2}S; 61318-90-9
Sulconazole Nitrate 61318-91-0
Azole antifungal

Sulfabenzamide (rINN) sul·fa·ben·za·müd
N-Sulfanilylbenzamide; C_{13}H_{14}N_{2}O_{3}S; 127-71-9
Sulfonamide antibacterial

Sulbactam (rINN) sul·vak·ba·mïd
Sulfanilylurea; C_{7}H_{9}N_{3}O_{3}S; 547-44-4
Sulfonamide antibacterial

Sulfacetamide (rINN) sul·fa·set·a múd
Sulfaniloylacetamide; C_{8}H_{10}N_{2}O_{3}S; 144-80-9
Sulfonamide antibacterial

Sulphachloropyridazine (rINN) sul·fa·klor·pi·da·zën
N^1-(6-Chloropyridazin-3-yl)sulfanilamide; C_{10}H_{8}ClN_{4}O_{2}S; 80-32-0
Sulfonamide antibacterial

Sulphachloropyridazine (rINN) sul·fa·klor·pi·da·zën
N^1-(6-Chloropyridazin-3-yl)sulfanilamide; C_{10}H_{8}ClN_{4}O_{2}S; 80-32-0
Sulfonamide antibacterial

Sulfacytine (rINN) sul·fa·sï·tën
(1) N^1-(1-Ethyl-1,2-dihydro-2-oxopyrimidin-4-yl)sulfanilamide; (2) 1-ethyl-N-sulfanilycytosine; sulfactine (pINN); C_{12}H_{14}N_{4}O_{2}S; 17784-12-2
Sulfonamide antibacterial

The symbol ‘¬’ in systematic chemical names signifies line continuation
• Sulfadiazine (rINN) sul·fa dī·a·zën
  \(N^1\)-(Pyrimidin-2-yl)sulfanilamide; \(C_{10}H_{12}N_4O_2S\); 68-35-9
  Sulfadiazine Silver 22119-08-2
  Sulfonamide antibacterial

• Sulfadoxine (rINN) sul·fa doks'ën
  \(N^1\)-(5,6-Dimethoxy pyrimidin-4-yl)sulfanilamide; \(C_{12}H_{14}N_4O_2S\); 2447-57-6
  Sulfonamide antibacterial

• Sulfadimidine (rINN) sul·fa·dī·mi·dën
  \(N^1\)-(4,6-Dimethyl pyrimidin-2-yl)sulfanilamide; \(C_{12}H_{14}N_4O_2S\); 57-68-1
  Sulfadimidine Sodium 1037-50-9
  Sulfonamide antibacterial

• Sulfadimethoxine sul·fa·dï·me·thoks'ën
  \(N^1\)-(2,6-Dimethoxy pyrimidin-4-yl)sulfanilamide; \(C_{12}H_{14}N_4O_4S\); 122-11-2
  Sulfadimethoxine Sodium 1037-50-9
  Sulfonamide antibacterial

• Sulfaethidole (rINN) sul·fa·e·thi·dôl
  \(N^1\)-(5-Ethyl-1,3,4-thiadiazol-2-yl)sulfanilamide; \(C_{10}H_{12}N_4O_2S_s\); 94-19-9
  Sulfonamide antibacterial

• Sulfamethizole (rINN) sul·fa·me·the·zôl
  \(N^1\)-(5-Methyl-1,3,4-thiadiazol-2-yl)sulfanilamide; \(C_{10}H_{10}N_4O_2S_s\); 144-82-1
  Sulfonamide antibacterial

• Sulfamethoxazole (rINN) sul·fa·me·thoks a·zôl
  \(N^1\)-(5-Methyl-1,2-oxazol-3-yl)sulfanilamide; \(C_{10}H_{10}N_4O_2S\); 723-46-6
  Sulfonamide antibacterial
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>rINN</th>
<th>Systematic Name</th>
<th>Molecular Formula</th>
<th>CAS Number</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfamethoxypyridazine</td>
<td>(rINN)</td>
<td>Sulfamethoxypyridazine</td>
<td>N(^1)-(6-Methoxypyridazin-3-yl)sulfanilamide; C(<em>{11}H</em>{12}N_4O_3S); 80-35-3</td>
<td>Sulfonamide antibacterial</td>
<td></td>
</tr>
<tr>
<td>Sulfametopyrazine</td>
<td>(rINN)</td>
<td>Sulfametopyrazine</td>
<td>N(^1)-(3-Methoxypyrazin-2-yl)sulfanilamide; C(<em>{11}H</em>{12}N_4O_3S); 152-47-6</td>
<td>Sulfonamide antibacterial</td>
<td></td>
</tr>
<tr>
<td>Sulfametoxydiazine</td>
<td>(rINN)</td>
<td>Sulfametoxydiazine</td>
<td>N(^1)-(5-Methoxypyrimidin-2-yl)sulfanilamide; C(<em>{11}H</em>{12}N_4O_3S); 651-06-9</td>
<td>Sulfonamide antibacterial</td>
<td></td>
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<tr>
<td>Sulfametrole</td>
<td>(rINN)</td>
<td>Sulfametrole</td>
<td>N(^1)-(4-Methoxy-1,2,5-thiadiazol-3-yl)sulfanilamide; C(<em>{9}H</em>{10}N_4O_3S_2); 32909-92-5</td>
<td>Sulfonamide antibacterial</td>
<td></td>
</tr>
<tr>
<td>Sulfamonomethoxine</td>
<td>(rINN)</td>
<td>Sulfamonomethoxine</td>
<td>N(^1)-(6-Methoxypyrimidin-4-yl)sulfanilamide; C(<em>{11}H</em>{12}N_4O_3S); 1220-83-3</td>
<td>Sulfonamide antibacterial</td>
<td></td>
</tr>
<tr>
<td>Sulfamoxole</td>
<td>(rINN)</td>
<td>Sulfamoxole</td>
<td>N(^1)-(4,5-Dimethyl-1,3-oxazol-2-yl)sulfanilamide; C(<em>{11}H</em>{13}N_4O_3S); 729-99-7</td>
<td>Sulfonamide antibacterial</td>
<td></td>
</tr>
<tr>
<td>Sulfan Blue</td>
<td>(BAN)</td>
<td>Sulfan Blue</td>
<td>Sodium α-[(4-Diethylaminophenyl)-α-[(4-diethylimino)cyclohexa-2,5-dienylidene]toluene-2,5-disulfonate; Blue VRS; C(_2)(<em>H</em>)(_3)N(_2)Na(_2)O(_4); 68238-36-8</td>
<td>Dyestuff used in lymphangiography</td>
<td></td>
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<tr>
<td>Sulfanitran</td>
<td>(rINN)</td>
<td>Sulfanitran</td>
<td>4′-(4-Nitrophenylsulfamoyl)acetanilide; C(<em>{14}H</em>{13}N_3O_5S); 122-16-7</td>
<td>Antiprotozoal</td>
<td></td>
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<tr>
<td>Sulfaphenazole</td>
<td>(rINN)</td>
<td>Sulfaphenazole</td>
<td>N(^1)-(1-Phenylpyrazol-5-yl)sulfanilamide; C(<em>{15}H</em>{14}N_4O_2S); 526-08-9</td>
<td>Sulfonamide antibacterial</td>
<td></td>
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<tr>
<td>Sulfaproxyline</td>
<td>(rINN)</td>
<td>Sulfaproxyline</td>
<td>N(^1)-(4-Isopropoxybenzoyl)sulfanilamide; C(<em>{16}H</em>{18}N_2O_4S); 116-42-7</td>
<td>Sulfonamide antibacterial</td>
<td></td>
</tr>
</tbody>
</table>

The symbol ‘¬’ in systematic chemical names signifies line continuation.
Sulfapyrazole (rINN) see Appendix C

Sulfapyridine (rINN) see Appendix C

Sulfadiazine sul·fa·di·áz·ên
Nачало Quinoxalin-2-ylsulfanilamide; C14H12N4O2S; 59-40-5
Sulfadiazine Sodium 967-80-6
Sulfonamide antibacterial (veterinary)

Sulfadiazine sodium see Sulfadiazine

Sulfasalazine sul·fa·sal·a·zën
4-Hydroxy-4´-(2-pyridylsulfamoyl)azobenzene-3-carboxylic acid; salazosulfapyridine (pINN); salicylazosulfapyridine; C18H14N4O5S; 599-79-1
Sulfonamide aminosalicylate; treatment of ulcerative colitis

Sulfasomizole (rINN) see Appendix C

Sulfathiazole sul·fa·thï·a·zôl
N1-(1,3-Thiazol-2-yl)sulfanilamide; C9H9N3O2S2; 72-14-0
Sulfathiazole Sodium 144-747-1; 6791-71-5 (pentahydrate)
Sulfonamide antibacterial (veterinary)

Sulfathiazole sodium see Sulfathiazole

Sulfathiourea sul·fa·thï·ö·û·rë·a
Sulfanilylthiourea; C7H9N3O2S2; 515-49-1
Sulfonamide antibacterial

Sulfathiazole sodium see Sulfathiazole

Sulfathiazole sodium see Sulfathiazole

Sulfonamide antibacterial

Sulfatrexazole sul·fa·treks·a·zôl
N1-(4,5-Dimethy-1,2-oxazol-3-yl)sulfanilamide; C11H13N2O2S; 23256-23-7
Sulfonamide antibacterial

Sulfobromophthalein (BAN) sul·fö·brö·mö·fthä·lën
5,5´-(4,5,6,7-Tetrabromo-3-oxo-(3H)-isobenzofuran-1-ylidene)bis-(2-hydroxybenzenesulfonic acid); C20H10Br4O10S2; 297-83-6
Measurement of liver function

Sulfobromophthalein Sodium 71-67-0
Measurement of liver function
Sulfomyxin Sodium (rINN) sul·fō·miks·in
A mixture of sulfomethylated polymyxin B and sodium bisulfite; C_{61}H_{103}N_{16}Na_{5}O_{28}S; 1405-52-3
Sulfonamide antibacterial

Sulglicotide (rINN) sul·glik·ö·tïd
The sulfuric polyester of a glycopeptide isolated from pig duodenum; 54182-59-1
Sulglicotide Sodium
Treatment of peptic ulcer disease

● Sulindac (rINN) sul·ind·ak
(Z)-5-Fluoro-2-methyl-1-(4-methylsulfinylbenzylidene)indene-3-acetic acid; C_{20}H_{17}FO_{3}S; 38194-50-2
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Sulocitidil (rINN) su·lok·ti·dïl
Erythro-1-{4-[(isopropylthio)phenyl]-2-octylaminopropan-1-ol; C_{20}H_{35}NOS; 54063-56-8
Vasodilator

Sulofenur see Appendix C

Sulotroban (rINN) su·lo·tro·ban
4-(2-Phenylsulfonylaminoethyl)phenoxyacetic acid; C_{16}H_{17}NO_{5}S; 72131-33-0
Thromboxane A2 antagonist

Sulpiride (rINN) sul·pirïd
(RS)-N-{[1-Ethylpyrrolidin-2-ylmethyl]-2-methoxy-5-sulfamoylbenzamide; C_{16}H_{17}N_{2}O_{5}S; 15676-16-1
Dopamine receptor antagonist; antipsychotic

The symbol ‘¬’ in systematic chemical names signifies line continuation
Suprofen (rINN) süprö·fen
2-[(4-(2-Thenoyl)phenyl)propionic acid; C₁₄H₁₂O₃S; 40828-46-4
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Suriclone (rINN) süri·klön
(RS)-6-(7-Chloro-1,8-naphthyridin-2-yl)-2,3,6,7-tetrahydro-7-oxo-5H-[1,4]dithio[2,3-c]pyrrolo[5-yl] 4-methylpiperazine-1-carboxylate; C₂₀H₂₀ClN₅O₃S₂; 53813-83-5
Non-benzodiazepine hypnotic

Sutilains (rINN) see Appendix C

Suxamethonium Bromide (rINN) suks·a·methö·në·um
2,2'-Succinyldioxybis(ethyltrimethylammonium) dibromide; C₁₄H₃₀Br₂N₂O₄; 55-94-7
Depolarizing neuromuscular blocker

Suxamethonium Chloride (rINN) suks·a·methö·në·um
2,2'-Succinyldioxybis(ethyltrimethylammonium) dichloride; C₁₄H₃₀Cl₂N₂O₄; 55-94-7
Depolarizing neuromuscular blocker

Suxibuzone (rINN) suks·i·bü·zön
4-[(4-Butyl-3,5-dioxo-1,2-diphenylpyrazolidin-4-yl)methyl hydrogen succinate; C₁₇H₁₄N₂O₇; 27470-51-5
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Syrosingopine (rINN) see Appendix C

Tacalcitol (rINN) ta·kal·si·tol
(5Z,7E)-(1S,3R,24R)-9,10-Secocholesta-5,7,10(19)-triene-1,3,24-triol; C₂₅H₄₆O₅; 57333-96-7
Vitamin D₃ analogue

Tacrine (rINN) ta·krën
1,2,3,4-Tetrahydroacridin-9-ylamine; C₁₃H₁₄N₂; 321-64-2
Tacrine Hydrochloride 1684-40-8
Cholinesterase inhibitor

Tacrolimus (rINN) ta·kro·li·mus
(E)-(7R,8R,10S,11R,12S,14S,18R,21S,22R,23S)-18-allyl-1,2,3,4,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,25,25a-Docosahydro-7,21-dihydroxy-23-[(E)-2-[(1R,3R,4R)-4-hydroxy-3-methoxycyclohexyl]-1-methylvinyl]-10,12-dimethoxy-8,14,16,22-tetramethyl-7,11-epoxy-5H-24-oxa-4a-azabenzocyclotricosene-5,6,19,25-tetron; C₄₄H₆₉NO₁₂; 104987-11-3
Calcineurin inhibitor; immunosuppressant
Tadalafil (rINN) ta·da·la·fil (6R,12αR)-6-(1,3-Benzodioxol-5-yl)-2-methyl-2,3,6,7,12,12α-hexahydropyrazino[1’:2’:1,6]pyrido[3,4-b]indole-1,4-dione; C_{22}H_{19}N_{3}O_{4}; 171596-29-5
Selective inhibitor of cyclic GMP-specific phosphodiesterase type V with vasodilator action; treatment of male erectile dysfunction

Tafamidis (rINN) ta·fam·i·diss 2-(3,5-Dichlorophenyl)-1,3-benzoxazole-6-carboxylic acid; C_{14}H_{7}Cl_{2}NO_{3}; 594839-88-0

Tafamidis Meglumine 951395-08-7
Transthyretin stabiliser; inhibitor of amyloid formation; treatment of transthyretin amyloidosis

Tafenoquine (rINN) ta·fen·ö·kwën (RS)-N^4-[2,6-Dimethoxy-4-methyl-5-(3-trifluoromethylphenoxy)quinolin-8-yl]pentane-1,4-diamine; C_{24}H_{28}F_{3}N_{3}O_{3}; 106635-80-7
Antibacterial

Talampicillin (rINN) see Appendix C

Talizumab (rINN) ta·li·zü·mab Immunoglobulin G, anti-(human immunoglobulin E Fc region) (human-mouse monoclonal Hu901 a-chain), disulfide with human-mouse monoclonal Hu901 k-chain, dimer; 380610-22-0
Monoclonal antibody (human immunoglobulin E Fc region)

Taloximine (rINN) see Appendix C

Tameridone (rINN) see Appendix C

Tamitinol (rINN) ta·mi·ti·nol 4-(Ethylaminomethyl)-2-methyl-5-(methylthiomethyl)pyridin-3-ol; C_{11}H_{14}N_{2}OS; 59429-50-4
Nootropic

Tamoxifen (rINN) ta·moks·i·fen (Z)-2-[p-(1,2-Diphenylbut-1-enyl)phenoxy]ethyldimethylamine; C_{26}H_{29}NO; 10540-29-1
Selective estrogen receptor modulator

Tamsulosin (rINN) tam·sü·lö·sin (R)-5-[(E)-2-(2-Ethoxyphenoxy)ethylamino]propyl-2-methoxybenzenesulfonamide; C_{20}H_{28}N_{2}O_{5}S; 106133-20-4
Alpha₁-adrenoceptor antagonist

Tandospirone (rINN) tan·do·spi·rön (1R,2R,3S,5S)-2-[(1E)-3,3-difluoro-4-phenoxybut-1-enyl]-3,5-dihydroxycyclopentyl)hept-5-enoate; C_{22}H_{24}F_{2}N_{2}O_{5}; 209860-87-7
Prostaglandin analogue; treatment of glaucoma

The symbol ‘¬’ in systematic chemical names signifies line continuation
Tapentadol (rINN) ta·pen·ta·dol
3-[(2R,3R)-1-(Dimethylamino)-2-methylpentan-3-yl]phenol;
C_{14}H_{23}NO; 175591-23-8
Tapentadol Hydrochloride 175591-09-0
µ-Opioid receptor (OP_{3}, MOR) agonist and noradrenaline reuptake inhibitor; analgesic

Taprizosin (rINN) ta·pri·zö·sin
N-[2-[4-Amino-6,7-dimethoxy-5-(2-pyridyl)quinazolin-2-yl]-1,2,3,4-tetrahydro-5-isoquinolyl]methanesulfonamide;
C_{25}H_{26}N_{6}O_{4}S; 210538-44-6
Alpha_{1}-adrenoceptor antagonist

Targinine (rINN) tar·ji·nën
N-{Methyl-l-arginine; C_{7}H_{16}N_{4}O_{2}; 17035-90-4
Nitric oxide synthase inhibitor

Tariquidar (rINN) ta·ri·kwid·ar
N-[4-[2-(6,7-Dimethoxy-1,2,3,4-tetrahydroisoquinolin-2-yl)ethyl]phenyl]carbamoyl]-4,5-dimethoxyphenyl]quinoline-3-carboxamide; C_{38}H_{38}N_{4}O_{6}; 206873-63-4
Inhibitor of multidrug resistance (P glycoprotein)

Tasonermin (rINN) ta·son·er·min
Tumour necrosis factor (TNF) α1a (human); 94948-59-1
Recombinant tumour necrosis factor; treatment of soft tissue sarcoma

tasonermin has the following amino acid sequence:
VRSSRTPSD KPVAHVVPN QAEQLQWLN
RRANALLANG VELRNAQLVV PSEGQLIYYS
QVLPKGGQCP STHVLLHTTI SRIAVSYQTK
NVILSAIKSP CQRETFPEGAE AKFWEPYIYL
GGVFQLEKGD RLSAEINRPD YLDFAESGDV
YFGIAL

Tasosartan see Appendix C

Taurine (rINN) tor·rën
2-Aminoethanesulfonic acid; C_{2}H_{7}NO_{3}S; 107-35-7;
Amino acid

Tauroselcholic Acid (rINN) tor·rö·sel·kö·lik
N-[3a,7a,12a-Trihydroxy-23,24-dinor-5β-cholan-22-ylselenoacetyl]taurine; C_{26}H_{45}NO_{7}SSe; 75018-71-2
Measurement of bile acid absorption

Taurultam (rINN) tor·rul·tam
Perhydro-1,2,4-thiadiazine 1,1-dioxide; C_{3}H_{12}N_{2}O_{2}S;
38668-01-8
Antibacterial
Tazarotene (rINN) ta·za·ro·tën
Ethyl 6-[(4,4-dimethylthiochroman-6-yl)ethynyl]nicotinate; C₂₁H₂₁NO₂S; 118292-40-3
Vitamin A analogue (retinoid); treatment of psoriasis

Tazasubrate (rINN) tä·za·su·brät
2-[(6-Ethoxy-1,3-benzothiazol-2-yl)thio]-2-phenylpropionic acid; C₁₈H₁₃NO₃S₂; 79071-15-1
Lipid-regulating agent

Tazobactam (rINN) ta·zö·bak·tam
(1) (2S,3S,5R)-3-Methyl-7-oxo-3-(1H-1,2,3-triazol-1-ylmethyl)-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid 4,4-dioxide; C₁₀H₁₂N₄O₅S; 89786-04-9
Beta-lactam antibacterial

Teceleukin (rINN) te·se·loo·kin
Methionyl interleukin-2; 94218-75-4
Recombinant interleukin II

Technetium⁹⁹mTc Mertiadate (BAN) tek nē′-shum mer′-tē-a-ti′d
Disodium (N-[N-[N-(sulfanylacetyl-kS)glycyl-kN]glycyl-kN]glycine-kN)oxido[⁹⁹mTc]technetate(2–); C₆H₃N₂Na₂O₆Tc; 125224-05-7 (anion)
diagnostic imaging radiopharmaceutical

Technetium⁹⁹mTc Sestamibi (rINN) tek nē′-shum ses·ta mi′-bē
Hexakis(2-methoxy-2-methylpropylisocyanido)[⁹⁹mTc] technetium(I) cation; ⁹⁹mTc[C₆H₁₁NO]⁺; 109581-73-9
diagnostic imaging radiopharmaceutical

Technetium⁹⁹mTc Bicisate (rINN) tek nē′-shum bē′-si′-sāt
(SPY-5-23)-[N,N′-Ethylenebis(ethyl-1-cysteinato)-S,S′,N,N′- (3)oxo[⁹⁹mTc]technetium(v); C₂₁H₂₈N₂O₆S₂Tc; 121281-41-2
diagnostic imaging radiopharmaceutical

Technetium⁹⁹mTc Tiadate (rINN) tek nē′-shum ti′-a-ti′d
Sodium [N-(mercaptoacetyl)glycylglycylglycinate(1–)-N,N′,N′-S]oxo[⁹⁹mTc]technetate(2–); C₂₆H₃₂N₂Na₂O₆Tc; 104348-91-6 (anion)
diagnostic imaging radiopharmaceutical

The symbol ‘¬’ in systematic chemical names signifies line continuation
Technetium\[^{99m}\text{Tc}\] Tilmanocept (BAN) til·man·ö·sept 2-O-\{3-[\{2-Aminoethyl\}sulfanyl\}propyl\}-2-O-\{17-carboxy-10,13,16-tris(carboxymethyl)-8-oxo-4-thia-7,10,13,16-tetraazaheptadecan-1-yl\}-2-O-\{3-[2-{1-imino-2-(\{D-mannopyranosyl\}thio)ethyl\}amino}ethyl\}sulfanyl\}propyl\}dextran 2-[\{99m\text{Tc}\}technetium complexes; (C_{6}H_{10}O_{5})_{n}(C_{19}H_{28}N_{4}O_{9}STc)_{3-8} (C_{13}H_{24}N_{2}O_{5}S_{2})_{12-20}(C_{5}H_{11}NS)_{0-17}; 746637-33-2 diagnostic imaging radiopharmaceutical

Tedizolid (rINN) te·di·zo·lid [5R]-3-[\{3-Fluoro-4-[6-(2-methyl-2H-tetrazol-5-yl)pyridin-3-yl]phenyl\}-5-(hydroxymethyl)-1,3-oxazolidin-2-one; C_{17}H_{15}F_{6}N_{6}O_{3}; 856866-72-3 Tedizolid Phosphate 856867-55-5 Oxazolidinone antibacterial; treatment of skin infections

teduglutide has the following amino acid sequence:

\[
\begin{align*}
\text{H} & - \text{His} - \text{Gly} - \text{Gly} - \text{Ser} - \text{Phe} - \text{Ser} - \text{Asp} - \text{Glu} - \text{Met} - \\
\text{Asn} & - \text{Thr} - \text{Ile} - \text{Leu} - \text{Asp} - \text{Asn} - \text{Leu} - \text{Ala} - \text{Ala} - \text{Arg} - \\
\text{Asp} & - \text{Phe} - \text{Ile} - \text{Asn} - \text{Trp} - \text{Leu} - \text{Ile} - \text{Gln} - \text{Thr} - \text{Lys} - \\
\text{Ile} & - \text{Thr} - \text{Asp} - \text{OH}
\end{align*}
\]

Teduglutide (rINN) te·du·gloo·tìd [\{2-Glycine\} (1-33)-peptide 2 analogue of human glucagon (GLP-2); 287714-30-1 Glucagon-like peptide (GLP-1) receptor agonist (incretin mimetic); treatment of type II diabetes mellitus

Tedizolid Phosphate 856866-72-3 Oxazolidinone antibacterial; treatment of skin infections

teduglutide has the following amino acid sequence:

Tedizolid (rINN) te·di·zo·lid [5R]-3-[\{3-Fluoro-4-[6-(2-methyl-2H-tetrazol-5-yl)pyridin-3-yl]phenyl\}-5-(hydroxymethyl)-1,3-oxazolidin-2-one; C_{17}H_{15}F_{6}N_{6}O_{3}; 856866-72-3 Tedizolid Phosphate 856867-55-5 Oxazolidinone antibacterial; treatment of skin infections

Tedizolid Phosphate 856866-72-3 Oxazolidinone antibacterial; treatment of skin infections

teduglutide has the following amino acid sequence:

Tedizolid Phosphate 856866-72-3 Oxazolidinone antibacterial; treatment of skin infections

teduglutide has the following amino acid sequence:

Tedizolid Phosphate 856866-72-3 Oxazolidinone antibacterial; treatment of skin infections

teduglutide has the following amino acid sequence:

Tedizolid Phosphate 856866-72-3 Oxazolidinone antibacterial; treatment of skin infections

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Tedizolid Phosphate 856866-72-3 Oxazolidinone antibacterial; treatment of skin infections

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Tedizolid Phosphate 856866-72-3 Oxazolidinone antibacterial; treatment of skin infections

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Tedizolid Phosphate 856866-72-3 Oxazolidinone antibacterial; treatment of skin infections

teduglutide has the following amino acid sequence:

Tedizolid Phosphate 856866-72-3 Oxazolidinone antibacterial; treatment of skin infections

teduglutide has the following amino acid sequence:
\textbf{Tegaserod (rINN) te·ga·ser·rod}  
\[ \text{1-[(5-Methoxyindol-3-yl)methyleneamino]-3-pentylguanidine;} \]  
\[ C_{16}H_{23}N_5O; \]  
\[ 145158-71-0 \]  
Serotonin $5HT_4$ receptor partial agonist

\textbf{Teicoplanin (rINN) tï·kö·plä·nin}  
An antibiotic obtained from cultures of \textit{Actinoplanes teichomyceticus}, or the same substance obtained by any other means; 61036-64-4; Teichomycin A2  
Glycopeptide antibacterial

\textbf{Telaprevir (rINN) te·lá·prev·ër}  
\[ (1S,3aR,6aS)-2-[(2S)-2-[(2S)-2-{(2S)-Cyclohexyl[(pyrazin-2-yl]carbonyl]amino}acetamido]-3,3-dimethylbutanoxy]-N-(1(S)-1-cyclopropylamino)-1,2-dioxohexan-3-yl]octahydrocyclopenta[c]pyrrole-1-carboxamide; \]  
\[ C_{36}H_{53}N_7O_6; \]  
\[ 402957-28-2 \]  
Hepatitis C virus NS3 protease inhibitor

\textbf{Telavancin (rINN) te·lá·van·sin}  
\[ 3(S,6aR,7R,9R,10R,11R,13R,15aR)-4-Ethyloctahydro-11-methoxy-3a,7,9,11,13,15-hexamethyl-1-{4-[4-(3-pyridyl)-imidazol-1-yl]butyl}-10-{(3,4,6-trideoxy-3-dimethylamino-\(\beta\)-\(\alpha\)-l-lyxo-hexopyranosyl)oxy}-2H-oxacyclotetradecino-\[4,3-d\][1,3]oxazole-2,6,8,14(\(1H,7H,9H\))-tetrone; \]  
\[ C_{48}H_{62}N_5O_{17}; \]  
\[ 173838-31-8 \]  
Macrolide antibiotic

\textbf{Telbivudine (rINN) tel·bi·vü·dën}  
\[ 1-(2-Deoxy-\(\beta\)-\(\alpha\)-l-erythro-pentofuranosyl)-5-methylpyrimidine-2,4(\(1H,3H\))-dione; \]  
\[ C_{10}H_{14}N_2O_5; \]  
\[ 3424-98-4 \]  
Antiviral (hepatitis B)

\textbf{Telithromycin (rINN) te·li·thrö·mï·sin}  
\text{Lipoglycopeptide antibiotic (inhibitor of bacterial cell wall synthesis)
- **Telmisartan** (rINN) tel·mi·sar·tan
  4′-[(4-Methyl-6-(1-methylbenzimidazol-2-yl)-2-propyl-β benzimidazol-1-yl)methyl]biphenyl-2-carboxylic acid; C₃₃H₃₀N₄O₂; 144701-48-4
  Angiotensin II (AT₁) receptor antagonist

- **Teludipine** (rINN) ta·łu·di·pën
  Diethyl (4RS)-(E)-[2-(2-tet-butoxycarbonylvinyl)phenyl]-2-dimethylaminomethyl-1,4-dihydro-6-methylpyridine-3,5-dicarboxylate; C₂₈H₃₈N₂O₆; 108687-08-7
  Teludipine Hydrochloride 108700-03-4
  Calcium channel blocker

- **Temafloxacin** (rINN) te·ma·floks·a·sin
  (RS)-1-(2,4-Difluorophenyl)-6-fluoro-1,4-dihydro-7-(3-methylpiperezin-1-yl)-4-oxoquinoline-3-carboxylic acid; C₂₁H₁₈F₃N₃O₃; 108319-06-8
  Temafloxacin Hydrochloride 105784-61-0
  Fluoroquinolone antibacterial

- **Temazepam** (rINN) te·mä·ze·pam
  7-Chloro-1,3-dihydro-3-hydroxy-1-methyl-5-phenyl-1,4-benzodiazepin-2-one; C₁₆H₁₃ClN₂O₂; 846-50-4
  Benzodiazepine

- **Temelastine** (rINN) te·me·las·tën
  2-[4-(5-Bromo-3-methyl-2-pyridyl)butylamino]-5-(6-methyl-3-pyridylmethyl)pyrimidin-4(1H)-one; C₁₃H₁₁BrN₂O; 66181-42-2
  Histamine H₁ receptor antagonist; antihistamine

- **Temocapril** (rINN) te·mö·ka·pri·l
  (+)-[(2S,6R)-6-[(S)-1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-5-oxo-2-(2-thienyl)-1,4-thiazepan-4-yl]acetic acid; C₂₁H₂₃N₂O₄S₂; 118902-57-9
  Temocapril Hydrochloride 110221-44-8
  Angiotensin converting enzyme inhibitor

- **Temocaprilat** (rINN) te·mö·ka·pri·lat
  (+)-[(2S,6R)-6-[(S)-1-Carboxy-3-phenylpropyl]amino]-5-oxo-2-(2-thienyl)-1,4-thiazepan-4-yl]acetic acid; C₂₁H₂₄N₂O₅S₂
  Angiotensin converting enzyme inhibitor

- **Temocillin** (rINN) te·mö·si·lin
  (6S)-6-[2-Carboxy-2-(3-thienyl)acetamido]-6-methoxy- penicillanic acid; C₁₆H₁₈N₂O₅S₂; 61545-06-0
  Temocillin Sodium 61545-06-0
  Penicillin antibacterial

- **Temoporfin** (rINN) te·mö·por·fin
  7,8-Dihydro-5,10,15,20-tetrakis(3-hydroxyphenyl)porphyrin; C₃₄H₂₄N₄O₄; 122341-38-2
  Porphyrin derivative; photosensitiser
Temozolomide (rINN) te-mô-zô-lô-mîd
3,4-Dihydro-3-methyl-4-oxoimidazo[5,1-d][1,2,3,5]tetrazine-8-carboxamide; C\textsubscript{6}H\textsubscript{6}N\textsubscript{6}O\textsubscript{2}; 85622-93-1
Antineoplastic alkylating agent

Temsirolimus (rINN) tem-sir-ö-lîm-us
(1\textsubscript{R},2\textsubscript{R},4\textsubscript{S})-4-[(2\textsubscript{R})-2-[(3\textsubscript{R},6\textsubscript{R},7\textsubscript{E})-9,27-Dihydroxy-10,21-dimethoxy-6,8,12,14,20,26-hexamethyl-1,5,11,28,29-pentaaxo-1,4,5,6,9,10,11,12,13,14,21,22,23,24,25,26,27,28,29,31,32,33,34,34\textsubscript{a}-tetracosahydro-
3\textsubscript{H}-23,27-epoxypyrido[2,1-c][1,4]-oxazacyclohentriacontin-3-yl]propyl}-2-ethoxycyclohexyl 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoate; C\textsubscript{56}H\textsubscript{87}N\textsubscript{16}O\textsubscript{16}; 162635-04-3
Calcineurin inhibitor; immunosuppressant

Tenecteplase (rINN) te-nek-te plîs
[103-l-asparagine,117-l-glutamine,296-l-alanine,297-l-alanine,298-l-alanine]plasminogen activator (human tissue-type); 191588-94-0
Tissue-type plasminogen activator; fibrinolytic
tenecteplase has the following glycosylated amino acid sequence:

Tenidap (rINN) te-nî-dap
(Z)-5-Chloro-3-(\alpha-hydroxy-2-thenylidene)-2-oxoindoline-1-carboxamide; C\textsubscript{14}H\textsubscript{9}ClN\textsubscript{2}O\textsubscript{3}S; 120210-48-2
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Tenidap Sodium 119784-94-0
Vaccine adjuvant

The symbol ‘¬’ in systematic chemical names signifies line continuation
Teniposide (rINN) te·ni·pö·sïd
(5S,5aR,8aR,9S)-5,8,8a,9-Tetrahydro-5-(4-hydroxy-3,5-dimethoxyphenyl)-9-[(R)-4,6-O-phenyldiene-β-D-glucopyranosyl]iso benzofuro[5,6-f][1,3]benzodioxol-6(5H)-one; C_{21}H_{22}N_{13}S; 29767-20-2
Inhibitor of DNA topoisomerase type II; antineoplastic

Terbinafine (rINN) te·bi·na·fïn
(E)-6,6-Dimethylhept-2-en-4-ynyl(methyl)(1-naphthyl)methylamine; C_{18}H_{27}N; 91161-71-6
- Terbinafine Hydrochloride 78628-80-5
  Antifungal

Tenofvir (rINN) te·nö·fö·veer
\{[(R)-2-(6-Amino-9H-purin-9-yl)-1-methylethoxy[ethyl]-\} phosphonic acid; C_{9}H_{14}N_{5}O_{4}P; 147137-20-6
Tenofvir Disoproxil
Nucleoside reverse transcriptase inhibitor; antiviral (HIV)

Terbucromil (rINN) te·bü·krö·mil
6,8-Di-tert-butyl-4-oxohromene-2-carboxylic acid; C_{18}H_{22}O_{4}; 37456-21-6
Cromone; treatment of asthma, food allergy, allergic conjunctivitis, rhinitis

Terconazole (rINN) te·ko·na·zôl
1-[4-[2-(2,4-Dichlorophenyl)-2-(1H,1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-ylmethoxy]phenyl]-4-isopropylpiperazine; C_{19}H_{21}Cl_{2}N_{5}O_{3}; 67915-31-5
Antifungal
Terfenadine (rINN) ter·fe·na·dën
1-(4-tert-Butylphenyl)-4-[4-(α-hydroxybenzhydryl)]-piperidino]butan-1-ol; C₁₃H₂₁NO₂; 50679-08-8
Histamine H₁ receptor antagonist; antihistamine

Terfluranol (rINN) ter·flú·ra·nol
4,4´-
[1(R,2S)-1-Methyl-2-(2,2,2-trifluoroethyl)ethylene]-diphenol; C₁₇H₁₇F₃O₂; 64396-09-4
Treatment of breast cancer

Teriflunomide (rINN) te·ri·floo·mïd
(2Z)-2-Cyano-3-hydroxy-N-[4-(trifluoromethyl)phenyl]but-2-enamide; C₁₂H₉F₃N₂O₂; 163451-81-8
Immunomodulator; treatment of multiple sclerosis

Teriparatide has the following amino acid sequence:

Terlipressin (rINN) ter·li·pree·sin
N-[N-(N-Glycylglycyl)glycyl]-8-L-lysine vasopressin; 14636-12-5
Vasopressin analogue; treatment of diabetes insipidus, bleeding from varices, dialysis

Terlipressin Acetate
Gly-Gly-Gly-Cys-Tyr-Phe-Gln-Asn-Cys-Pro-Lys-Gly-NH₂

Terodiline (rINN) see Appendix C

Terpin (rINN) ter·pin (BAN)
cis-p-Mentane-1,8-diol; C₁₀H₁₆O₂; 80-53-5
Terpin Hydrate 2451-01-6; component in many proprietary preparations
Expectorant

Tertatolol (rINN) ter·ta·to·lol
1-tert-Butylamino-3-(3,4-dihydro-2H-1-benzothiin-8-yloxy)propan-2-ol; C₁₆H₂₅NO₂S; 34784-64-0
Beta-adrenoceptor antagonist

Testosterone (rINN) tes·to·ste·rön
17β-Hydroxyandrost-4-en-3-one; C₁₉H₂₈O₂; 58-22-0
Testosterone Decanoate 5721-91-5
Testosterone Enanthate 315-37-7
Testosterone Isocaproate 15262-86-9
Testosterone Phenylpropionate 1255-49-8
Testosterone Propionate 57-85-2
Testosterone Undecanoate
Androgen

The symbol ‘¬’ in systematic chemical names signifies line continuation.
Tetrabenazine (rINN) te-tra·ben·ă·zên
9,10-Dimethoxy-3-(2-methylpropyl)-1,3,4,6,7,11b-hexahydro-2H-benzo[a]quinolizin-2-one; C₁₉H₂₇NO₃; 58-46-8
Movement disorder control

Tetracaine (rINN) te-tra·kän
2-Dimethylaminoethyl 4-butylaminobenzoate; C₁₅H₂₄N₂O₂; 94-24-6
• Tetracaine Hydrochloride 136-47-0
Local anaesthetic

Tetracosactide (rINN) te-tra·kos·ak·tïd
Corticotrophin-(1-24)-tetracosapeptide; 16960-16-0
• Tetracosactide Acetate Corticotropic peptide


Tetracycline (rINN) te-tra·sï·klën
(4S,4aS,5aS,6S,12aS)-4-Dimethylamino-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxonaphthacene-2-carboxamide; C₂₂H₂₄N₂O₈; 60-54-8
• Tetracycline Hydrochloride 64-75-5
Tetracycline antibacterial

Tetracycline Phosphate Complex (BAN)
A sparingly soluble complex of sodium metaphosphate and tetracycline; 1336-20-5
Antihelminthic

Tetrahydrozoline see Tetryzoline

Tetramisole (rINN) te-tra·mi·sôl
2,3,5,6-Tetrahydro-6-phenylimadazol[2,1-b][1,3]thiazole; C₁₁H₁₂N₂S; 5036-02-2
Tetramisole Hydrochloride 5386-74-8
Antihelminthic

Tetrazepam (rINN) te-trä·zë·pam
7-Chloro-5-(cyclohexen-1-yl)-1-methyl-1,3-dihydro-2H-1,4-benzodiazipin-2-one; C₁₆H₁₇ClN₂O; 10379-14-3
Benzodiazipine; hypnotic

Tetrofosmin (rINN) te-trö·fos·min
(1) P,P',P'-Tetrakis(2-ethoxyethyl)ethylenebisphosphane; (2) 6,9-bis(2-ethoxyethyl)-3,12-dioxa-6,9-diphosphatetradecane; C₁₈H₄₀O₄P₂; 127502-06-1
Non-radioactive chemical precursor for diagnostic imaging radiopharmaceutical

Tetronasin (rINN) te·tro·na·sin
Tetrahydro-3-[(S)-1-hydroxy-2-[(1S,2S,6R)-2-[(E)-3-hydroxy-2-(2R,3R,6S)-tetrahydro-3-methyl-6-[(E)-(S)-3-[(2R,3S,5R)-tetrahydro-5-[(R)-1-methoxyethyl]-2-furyl]but-1-encyl]-3-methyl-2H-pyran-2-yl]prop-1-enyl]-6-methylcyclohexyl]-propylidenefuran-2,4-dione; C₂₃H₂₄O₆; 75139-06-9; ICI 139603
Tetronasin Sodium 75139-05-8
Ionophore antimicrobial
**Tetroxoprim** (rINN) te·roks·ö·prim
5-[3,5-Dimethoxy-4-(2-methoxyethoxy)benzyl]pyrimidine-2,4-diyldiamine; C_{16}H_{22}N_4O_4; 53808-87-0
Dihydrofolate reductase inhibitor

**Tetryzoline** (rINN) te·trï·zö·lën
(RS)-2-(1,2,3,4-Tetrahydro-1-naphthyl)-2-imidazoline; C_{13}H_{16}N_2; 84-22-0
- **Tetryzoline Hydrochloride** 552-48-5
  Adrenoceptor agonist; decongestant

**Tezosentan** (rINN) te·zö·zen·tan
N-{6-(2-Hydroxyethoxy)-5-(2-methoxyphenoxy)-2-[2-(1H-tetrazol-5-yl)pyridin-4-yl]pyrimidin-4-yl}-5-isopropylpyridine-2-sulfonamide; C_{27}H_{27}N_{9}O_{6}S; 180384-57-0
Endothelin A/B receptor antagonist

**Thalidomide** (rINN) tha·li·domïd
(RS)-2-Phthalimidoglutarimide; C_{13}H_{10}N_2O_4; 50-35-1
Immunomodulator

**Thaumatin** (BAN) thor·ma·tin
A mixture in the ratio 2:1 of two polypeptides, thaumatin I and II, each consisting of 207 amino acid residues and having a molecular weight of about 22,000, extracted from the aril of the tropical fruit *Thaumatococcus daniellii* Benth; 53850-34-3
Sweetening agent

The symbol ‘¬’ in systematic chemical names signifies line continuation
Theodrenaline (rINN) (thē·ō·dren·a·lën) 7-[2-(3,4,5-Trihydroxyphenethylamino)ethyl]theophylline; C_{17}H_{21}N_{5}O_{5}; 13460-98-5
Vasopressor

\[
\text{HO} \quad \text{OH} \quad \text{N} \quad \text{Me}
\]
\[
\text{and enantiomer}
\]

Theophylline (BAN) (thē·ofi·lën) 3,7-Dihydro-1,3-dimethylpurine-2,6(1H)-dione; C_{7}H_{8}N_{4}O_{2}; 58-55-9

Theophylline Hydrate (monohydrate); 5967-84-0
Non-selective phosphodiesterase inhibitor (xanthine); treatment of reversible airways obstruction

\[
\text{MeN} \quad \text{O} \quad \text{N} \quad \text{Me}
\]

Thiabendazole see Tiabendazole

Thiacetazone see Thioacetazone

Thialbarbital (rINN) (thï·al·bar·bi·tal) 5-Allyl-5-(cyclohex-2-enyl)-2-thiobarbituric acid; C_{13}H_{16}N_{2}O_{2}S; 467-36-7
Barbiturate

\[
\text{H} \quad \text{C} \quad \text{O} \quad \text{N} \quad \text{S}
\]

Thiamazole (rINN) (thï·am·azól) 1-Methylimidazole-2-thiol; C_{4}H_{6}N_{2}S; 60-56-0
Thionamide antithyroid

\[
\text{MeN} \quad \text{S} \quad \text{N}
\]

Thiambutinosine (rINN) (thï·am·bu·ti·no·sïn) 1-(4-Butoxyphenyl)-3-(4-dimethylaminophenyl)thiourea; C_{19}H_{25}N_{3}OS; 500-89-0
Antileprosy drug

\[
\text{Bu}^\text{O} \quad \text{N} \quad \text{Me}_{2}
\]

Thiamine (rINN) (thî·a·mën) 3-(4-Amino-2-methylpyrimidin-5-ylmethyl)-5-(2-hydroxyethyl)-1,3-thiazolium hydroxide; vitamin B1; C_{12}H_{15}N_{5}O_{5}S; 59-43-8

- Thiamine Hydrochloride 67-03-8
- Thiamine Nitrate 532-43-4

Vitamin B_{1}

\[
\text{MeSO}_{2} \quad \text{N} \quad \text{Cl}
\]

Thiambutinosine (rINN) (thï·am·fe·ni·kol) (αR,βR)-2,2-Dichloro-N-(β-hydroxy-α-hydroxymethyl-4-methylsulfonylphenethyl)acetamide; C_{12}H_{15}Cl_{2}NO_{5}S; 15318-45-3
Antibacterial

\[
\text{Me} \quad \text{N} \quad \text{O} \quad \text{N}\quad \text{CH}_{2} \quad \text{NH}_{2}
\]

Thiabendazole see Tiabenazole

Thiabendazole see Tiabendazole

Thiacetazone see Thioacetazone

Thiamazole (rINN) (thï·am·azól) 1-Methylimidazole-2-thiol; C_{4}H_{6}N_{2}S; 60-56-0
Thionamide antithyroid

\[
\text{MeN} \quad \text{S} \quad \text{N}
\]

Thiabendazole see Tiabenazole

Thiaacetazone see Thioacetazone

Thiamazole (rINN) (thï·am·azól) 1-Methylimidazole-2-thiol; C_{4}H_{6}N_{2}S; 60-56-0
Thionamide antithyroid

\[
\text{MeN} \quad \text{S} \quad \text{N}
\]

Thiabendazole see Tiabenazole

Thiaacetazone see Thioacetazone

Thiamazole (rINN) (thï·am·azól) 1-Methylimidazole-2-thiol; C_{4}H_{6}N_{2}S; 60-56-0
Thionamide antithyroid

\[
\text{MeN} \quad \text{S} \quad \text{N}
\]

Thiambutinosine (rINN) (thï·am·bu·ti·no·sïn) 1-(4-Butoxyphenyl)-3-(4-dimethylaminophenyl)thiourea; C_{19}H_{25}N_{3}OS; 500-89-0
Antileprosy drug

\[
\text{Bu}^\text{O} \quad \text{N} \quad \text{Me}_{2}
\]

Thiamine (rINN) (thî·a·mën) 3-(4-Amino-2-methylpyrimidin-5-ylmethyl)-5-(2-hydroxyethyl)-1,3-thiazolium hydroxide; vitamin B1; C_{12}H_{15}N_{5}O_{5}S; 59-43-8

- Thiamine Hydrochloride 67-03-8
- Thiamine Nitrate 532-43-4

Vitamin B_{1}

\[
\text{MeSO}_{2} \quad \text{N} \quad \text{Cl}
\]

Thiampenicol (rINN) (thî·am·pe·ni·kol) (αR,βR)-2,2-Dichloro-N-(β-hydroxy-α-hydroxymethyl-4-methylsulfonylphenethyl)acetamide; C_{12}H_{15}Cl_{2}NO_{5}S; 15318-45-3
Antibacterial

\[
\text{Me} \quad \text{N} \quad \text{O} \quad \text{N}\quad \text{CH}_{2} \quad \text{NH}_{2}
\]

Thiabendazole see Tiabenazole

Thiaacetazone see Thioacetazone

Thiamazole (rINN) (thï·am·azól) 1-Methylimidazole-2-thiol; C_{4}H_{6}N_{2}S; 60-56-0
Thionamide antithyroid

\[
\text{MeN} \quad \text{S} \quad \text{N}
\]

Thiambutinosine (rINN) (thï·am·bu·ti·no·sïn) 1-(4-Butoxyphenyl)-3-(4-dimethylaminophenyl)thiourea; C_{19}H_{25}N_{3}OS; 500-89-0
Antileprosy drug

\[
\text{Bu}^\text{O} \quad \text{N} \quad \text{Me}_{2}
\]

Thiamine (rINN) (thî·a·mën) 3-(4-Amino-2-methylpyrimidin-5-ylmethyl)-5-(2-hydroxyethyl)-1,3-thiazolium hydroxide; vitamin B1; C_{12}H_{15}N_{5}O_{5}S; 59-43-8

- Thiamine Hydrochloride 67-03-8
- Thiamine Nitrate 532-43-4

Vitamin B_{1}

\[
\text{MeSO}_{2} \quad \text{N} \quad \text{Cl}
\]

Thiampenicol (rINN) (thî·am·pe·ni·kol) (αR,βR)-2,2-Dichloro-N-(β-hydroxy-α-hydroxymethyl-4-methylsulfonylphenethyl)acetamide; C_{12}H_{15}Cl_{2}NO_{5}S; 15318-45-3
Antibacterial

\[
\text{Me} \quad \text{N} \quad \text{O} \quad \text{N}\quad \text{CH}_{2} \quad \text{NH}_{2}
\]
Thioctic Acid (rINN) thio·tic·ik
5-[(3RS)-1,2-Dithiolan-3-yl]pentanoic acid; C₈H₁₄O₂S₂; 62-46-4
Antioxidant

Thioctic Acid

Thioguanine see Tioguanine

Thiomersal (rINN) thio·mer·sal
Sodium salt of (2-carboxyphenylthio)ethylmercury; thimerosal; thiomersalate; C₉H₉HgNaO₂S; 54-64-8
Antiseptic; adjuvant in vaccine formulations

Thiomersal

Thiopental (rINN) thio·pen·tal
5-Ethyl-5-(1-methylbutyl)-2-thiobarbituric acid; C₁₁H₁₈N₂O₂S; 76-75-5
Thiopental Sodium 71-73-8
Intravenous barbiturate; general anaesthetic

Thiopental

Thiophanate (BAN) thio·fa·nät
(1) 4,4´-o-Phenylenebis(ethyl 3-thioallophanate);
(2) 4,4´-o-Phenylenebis(3-ethoxycarbonyl-2-thiourea); C₁₄H₁₈N₄O₄S₂; 23564-06-9
Antihelmintic

Thiophanate

Thiopropazate (rINN) see Appendix C

Thioproperazine (rINN) thio·pro·pe·ra·zën
N,N-Dimethyl-10-[3-(4-methylpiperazin-1-yl)propyl]pheno·thiazine-2-sulfonamide; C₂₂H₂₆N₄O₂S₂; 316-81-4
Thioproperazine Mesilate 2387-80-0
Dopamine receptor antagonist; antipsychotic

Thioproperazine

Thiopropionate

Thioperazine (rINN) thio·pe·ra·zën
1-Threonine; (2S,3R)-2-Amino-3-hydroxybutanoic acid; C₄H₄NO₃; 72-19-5
Amino acid

Threonine

Thiopropionic acid

Thioperazine

Thiopropionate

Thiopropionic acid

Thiopropionic acid

Thrombin (rINN) throm·bin
Blood coagulation factor IIa; 9001-32-5
Blood coagulation factor IIa

Thrombin
Thurfyl Nicotinate (BAN) \textit{ther}·fil
Tetrahydrofurfuryl nicotinate; C$_{11}$H$_{13}$NO$_{3}$; 70-19-9
Vasodilator

\begin{center}
\includegraphics[width=0.2\textwidth]{thurfyl_nicotinate.png}
\end{center}

Thymopentin (rINN) thể mổ pen·tin
l-arginyll-1-lysyl-α-1-aspartyl-l-valyl-l-tyrosine; C$_{30}$H$_{49}$N$_{9}$O$_{9}$; 69558-55-0
Thymopoietin pentapeptide; immunomodulator

\begin{center}
\includegraphics[width=0.2\textwidth]{thymopentin.png}
\end{center}

\textit{Arg-Lys-Asp-Val}

Thymoxamine see Moxisylyte

Thyrotrophin (rINN) thể rô·trö· fin
Thyrotrophic hormone; 9002-71-5
Thyroid stimulating hormone (TSH)

Thyrotropin Alfa (rINN) thể rô·trö· pin al·fa
Thyrotropin (human β-subunit protein moiety), complex with chorionic gonadotropin (human α-subunit protein moiety); 194100-83-9
Recombinant thyroid stimulating hormone

thyrotropin alfa has the following amino acid sequence (Cys—Cys bridging not shown):

\begin{itemize}
  \item \textbf{α-subunit:}
    \begin{itemize}
      \item APDVQDCPEC TLQENFFS Q PGAPILQCMG
      \item CCFSRAYTPF LRSKKTMLVQ KNVTSESTCC
      \item VAKSYRVT V MGGKVENHT ACHCSTCYYH
      \item KS
    \end{itemize}
  \item \textbf{β-subunit:}
    \begin{itemize}
      \item FCIPTYMTH IERRECA XCL TINTTIGAY
      \item CMTRDINGKL FLF KYESQD VCTYRFYIR
      \item TVEIPGCPLM VAPFYSYPVA LSCKGCNT
      \item DYSDCIIHBEI KTNYCTKPQX SYLVGPSV
    \end{itemize}
\end{itemize}

Thyroxine see Levothyroxine

Tiabendazole (rINN) ã·a·ben da zôl
2-(1,3-Thiazol-4-yl)benzimidazole; C$_{18}$H$_{16}$N$_{2}$S; 148-79-8
Benzimidazole antihelminthic

\begin{center}
\includegraphics[width=0.2\textwidth]{tiabendazole.png}
\end{center}

\textbf{Tiabendazole Hydrochloride} 145821-59-6
Antihelminthic

Tiamulin (rINN) ã·a·mû·lin
11-Hydroxy-6,7,10,12-tetramethyl-1-oxo-10-vinylperhydro-3a,7-pentanoinden-8-yl (2-diethylaminoethylthio)acetate; C$_{28}$H$_{47}$NO$_{4}$S; 56142-71-3
\textbf{Tiamulin Hydrogen Fumarate} 55297-96-6
Antibacterial

\begin{center}
\includegraphics[width=0.2\textwidth]{tiamulin.png}
\end{center}

\textbf{Tiapamil} (rINN) ã·a pa mil
(RS)-3,4-Dimethoxyphenethyl\{3-[2-(3,4-dimethoxyphenyl)-1,3-dithian-2-yl]propyl\}methylamine $S,S',S'$-tetroxide; C$_{28}$H$_{39}$NO$_{6}$S; 57010-31-8
Calcium channel blocker

\begin{center}
\includegraphics[width=0.2\textwidth]{tiapamil.png}
\end{center}

\textbf{Tiapamil Hydrochloride} 145821-59-6
Antihypertensive

\begin{center}
\includegraphics[width=0.2\textwidth]{tiapamil_hydrochloride.png}
\end{center}

\textbf{Tiagabine} (rINN) ti·a·ga·bën
(\textit{R})-1-[4,4-Bis(3-methyl-2-thienyl)but-3-enyl]piperidine-3-carboxylic acid; C$_{28}$H$_{39}$NO$_{2}$S; 115103-54-3
\textbf{Tiagabine Hydrochloride} 145821-59-6
Antiepileptic

\begin{center}
\includegraphics[width=0.2\textwidth]{tiagabine.png}
\end{center}

\textbf{Tiagabine Hydrochloride} 145821-59-6
Antiepileptic

\begin{center}
\includegraphics[width=0.2\textwidth]{tiagabine_hydrochloride.png}
\end{center}

Thyroxine see Levothyroxine
Tiapride (rINN) 'tï·apï·rïd
N-(2-Diethylaminoethyl)-2-methoxy-5-methylsulfonyl-\(\text{\textregistered}\) benzamide; C\(_{15}\)H\(_{24}\)N\(_2\)O\(_4\)S; 51012-32-9

- **Tiapride Hydrochloride** 51012-33-0
  Dopamine receptor antagonist; antipsychotic

Tiaprost (rINN) 'tï·apï·rost
(1) (5\(\text{Z}\),13\(\text{E}\))-(9\(\text{S}\),11\(\text{R}\),15\(\text{RS}\))-9,11,15-Trihydroxy-16-(3-thienyloxy)-17,18,19,20 tetranorprosta-5,13-dienoic acid; C\(_{20}\)H\(_{28}\)O\(_6\)S; 71116-82-0
  Prostaglandin (PGF\(_{2\alpha}\)) analogue

(2) (\(\text{Z}\))-7-[(1\(\text{R}\),2\(\text{R}\),3\(\text{R}\),5\(\text{S}\))-3,5-Dihydroxy-2-\{\(\text{E}\)-(3\(\text{RS}\))-3-hydroxy-4-(3-thienyloxy)buten-1-yl\}cyclopentyl]hept-5-enoic acid; C\(_{20}\)H\(_{28}\)O\(_6\)S; 71116-82-0
  Prostaglandin (PGF\(_{2\alpha}\)) analogue

and enantiomer

Tiaprofenic Acid (rINN) 'tï·a·prö·fë·nik
2-(5-Benzoyl-2-thienyl)propionic acid; C\(_{14}\)H\(_{12}\)O\(_3\)S; 33005-97-7
  Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Tiaramide (rINN) 'tï·a·rama·dï
5-Chloro-3-[4-(2-hydroxyethyl)piperazin-1-ylcarbonylmethyl]-1,3-benzothiazol-2(3\(\text{H}\))-one; C\(_{15}\)H\(_{18}\)ClN\(_3\)O\(_3\)S; 32527-55-2
  Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Tiaramide

and epimer at C*
Ticlopidine (rINN) ti-klö·pi·dën
5-(2-Chlorobenzyl)-4,5,6,7-tetrahydrothieno[3,2-c]pyridine; C₁₄H₁₄ClNS; 55142-85-3
* Ticlopidine Hydrochloride 53885-35-1
Inhibition of adenosine diphosphate (ADP)-mediated platelet aggregation; antiplatelet drug

Tiemonium Iodide (rINN) ti-e·mō·nē·üm
4-{3-Hydroxy-3-phenyl-3-(2-thienyl)propyl]-4-methyl-~ morpholinium iodide; C₁₈H₂₄INO₂S; 144-12-7
Anticholinergic

Tienilic Acid (rINN) ti-e·ni·lik
[2,3-Dichloro-4-(2-thienyl)phenoxy]acetic acid; C₁₃H₈Cl₂O₄S; 40180-04-9
Thiazide-like diuretic

Tiformin (rINN) ti-for·mín
4-Guanidinobutyramide; C₅H₁₂N₄O; 4210-97-3
Biguanide; treatment of diabetes mellitus

Tigecycline (rINN) ti-ge·sik-lën
(4S,4aS,5aR,12aS)-7-Bis(dimethylamino)-9-[2-(tert-butylamino)acetamido]-3,10,12,12a-tetrahydroxy-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotracene-2-carboxamide; C₂₉H₃₉N₅O₈; 220620-09-7
Antibacterial

Tigloidine (rINN) see Appendix C

Tiletamine (rINN) ti·le·ta·mën
(RS)-2-Ethylamino-2-(2-thienyl)cyclohexanone; C₁₃H₁₇NOS; 14176-49-9
Tiletamine Hydrochloride 14176-50-2
General anaesthetic

Tilidate (rINN) see Appendix C

Tilmicosin (rINN) til·mī·kö·sin
(10E,12E)-(3R,4S,5S,6R,8R,14R,15R)-14-(6-Deoxy-2,3-di-O-methyl-β-D-allo-hexopyranosylmethyl)-5-(3,6-dideoxy-3 dimethylamino-β-D-glucopyranosyl oxy)-6-[2-(cis-3,5 dimethylpiperidin)ethyl]-3-hydroxy-4,8,12-trimethyl-9-oxo-heptadeca-10,12-dien-15-olide; C₄₆H₸₀N₂O₁₃; 108050-54-0
Macrolide antibacterial

Tiludronic Acid (rINN) ti-lū·dro·nik
(4-Chlorophenylthiomethylene)bisphosphonic acid; C₇H₉ClO₆P₂S; 89987-06-4
Tiludronate Sodium (2Na) 149845-07-8
Bisphosphonate; treatment of Paget's disease

Timolol (rINN) ti·mo·lōl
(5S)-1-tert-Butylamino-3-(4-morpholino-1,2,5-thiadiazol-3 yl)propan-2-ol; C₁₃H₂₁N₂O₃S; 26839-75-8
* Timolol Maleate 26921-17-5
Beta-adrenoceptor antagonist
• Tinidazole (rINN)  
1-[2-(Ethylsulfonyl)ethyl]-2-methyl-5-nitroimidazole;  
C₈H₁₃N₃O₄S; 19387-91-8  
Antiprotozoal; antibacterial

• Tinzaparin Sodium (rINN)  
Sodium salt of depolymerised heparin obtained by enzymatic degradation of heparin from pork intestinal mucosa; the majority of the components have a 2-O-sulfo-4-enopyranosuronic acid structure at the non-reducing end of their chain and a 2-N,6-O-disulfo-D-glucosamine structure at the reducing end; the molecular weight of 70% of the components lies between 1,500 and 10,000 and the average molecular weight is about 4,500; the degree of sulfation is 2.0 to 2.5 per disaccharide unit  
Low molecular weight heparin

• Tiocarlide (rINN) see Appendix C

• Tioconazole (rINN)  
1-[2,4-Dichloro-β-(2-chloro-3-thienyloxy)phenethyl]imidazole;  
C₁₆H₁₃Cl₃N₂O; 65899-73-2  
Antifungal

• Tioguanine (rINN)  
2-Aminopurine-6-thiol; C₅H₅N₅O₂; 154-42-7  
Purine analogue; treatment of haematological malignancies

• Tiotropium Bromide (rINN)  
(1S,3S,5R,6R,7S)-6,7-Epoxy-3-(2-hydroxy-2,2-di-2-thienylacetoxo)-8-methyltropanium bromide; C₁₉H₂₂BrNO₄S₂; 139404-48-1  
Anticholinergic (antimuscarinic) bronchodilator

• Tiopinac (rINN)  
6,11-Dihydro-11-oxobenz[a,e]thiepin-3-acetic acid;  
C₁₀H₁₂O₃S; 61220-69-7  
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

• Tiotixene (rINN)  
(Z)-N,N-Dimethyl-9-[3-(4-methylpiperazin-1-yl)propylidene]thioxanthene-2-sulfonamide; C₁₃H₂₂N₂O₂S₂; 3313-26-6  
Dopamine receptor antagonist; antipsychotic

• Tioxaprofen (rINN)  
2-[4,5-Bis(4-chlorophenyl)-1,3-oxazol-2-ylthio]propionic acid; C₁₈H₁₃Cl₂NO₃S; 40198-53-6  
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

• Tioxolone (rINN)  
6-Hydroxy-1,3-benzoaxathiol-2-one; C₁₉H₁₂O₃S; 4991-65-5  
Keratolytic

The symbol ‘¬’ in systematic chemical names signifies line continuation
Tipentosin (rINN) see Appendix C

**Tipranavir** (rINN) Tip−ran·a·veer

\[ N-(3-((R)-1-\{(R)-5,6-\text{Dihydro}-4-\text{hydroxy}-2-\text{oxo}-6-\text{propyl}-2H-\text{pyran-3-yl}}\text{propyl})-5\text{-trifluoro-}}\text{methyl pyridine-2-sulfonamide}; C_{31}H_{33}F_{3}N_{2}O_{5}S; \quad 164484-41-4 \]

Protease inhibitor; antiviral (HIV)

**Tipredane** (rINN) Tip−pred·än

\[ 17\alpha-(\text{Ethylthio})-9\alpha-\text{fluoro}-11\beta-\text{hydroxy}-17\beta-(\text{methylthio})-\text{androsta-1,4-dien-3-one}; C_{22}H_{31}FO_{2}S_{2}; \quad 85197-77-9 \]

Glucocorticoid

**Tiprenolol** (rINN) Tip−pre·nol

\[ 3-\text{Isopropylamino}-1-\{(2-\text{methylthio})\text{phenoxy}\text{propan-2-ol}; C_{13}H_{21}NO_{2}S; \quad 26481-51-6 \]

**Tiprenolol Hydrochloride** 39832-43-4

Beta-adrenoceptor antagonist

**Tiprostanide** (rINN) see Appendix C

**Tiquinamide** (rINN) Tï·kwi·na·mïd

\[ 5,6,7,8-\text{Tetrahydro-3-methylquinoline-8-carbothioamide}; C_{11}H_{14}N_{2}S; \quad 53400-67-2 \]

**Tiquinamide Hydrochloride** 53400-68-3

Inhibitor of gastric acid secretion

**Tirofiban** (rINN) Tï·rö·fï·ban

\[ N-(\text{Butylsulfonyl})-O[4-(\text{piperidin-4-yl})\text{butyl}]\text{-l-tyrosine}; C_{22}H_{36}N_{2}O_{5}S; \quad 144494-65-5 \]

**Tirofiban Hydrochloride** 150915-40-5

Glycoprotein IIb/IIIa receptor antagonist; antiplatelet drug

**Tixocortol** (rINN) Tiks·ö·kor·tol

\[ 11\beta,17\alpha-\text{Dihydroxy-21-mercaptopregn-4-ene-3,20-dione}; C_{21}H_{30}O_{4}S; \quad 61951-99-3 \]

**Tixocortol Pivalate**

Glucocorticoid

**Tizanidine** (rINN) Tï·za·ni·dën

\[ 5\text{-Chloro-2,1,3-benzothiadiazol-4-yl}(2\text{-imidazolin-2-yl})\text{amine}; C_{11}H_{14}ClN_{5}S; \quad 51322-75-9 \]

**Tizanidine Hydrochloride**

Alpha₂-adrenoceptor agonist; skeletal muscle relaxant

**Tizolemide** (rINN) Tï·zo·le·mïd

\[ (RS)-2\text{-Chloro-5-[4-hydroxy-3-methyl-2-(methylimino)-1,3-thiazolidin-4-yl]-benzenesulfonamide}; C_{11}H_{16}ClN_{3}O_{3}S_{2}; \quad 56488-58-5 \]

**Tizolemide Hydrochloride**

Loop diuretic
Tobramycin (rINN) to·bra·mï·sin
An antimicrobial base produced by Streptomyces tenebrarius; 6-O-(3-amino-3-deoxy-a-D-glucopyranosyl)-2-deoxy-4-O-(2,6-diamino-2,3,6-trideoxy-a-D-ribo-hexopyranosyl)-α-streptamine; C₁₈H₃₇N₅O₉; 32986-56-4
Tobramycin Sulfate 49842-07-1
Aminoglycoside antibacterial

Tocainide (rINN) see Appendix C

Tocladesine (rINN) to·kla·de·sën
8-Chloroadenosine 3’,5’-(hydrogen phosphate); C₁₀H₁₁ClN₅O₆P; 41941-56-4
Immunomodulator

Tocofersolan (rINN) tok·ö·fir·sö·lan
α-Hydroxypoly(oxyethan-1,2-diyl)2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)chroman-6-yl succinate; C₁₉H₂₅O₅(C₂H₄O)n; 52232-67-4;
Vitamin E analogue

Todralazine (rINN) to·dra·la·zën
Ethyl 3-(phthalazin-1-yl)carbazate; C₁₁H₁₂N₄O₂; 14679-73-3
Vasodilator; treatment of hypertension

Tofenacin (rINN) see Appendix C

Tolamolol (rINN) to·lam·o·lol
(RS)-4-[2-(2-Hydroxy-3-o-tolyloxypropylamino)ethoxy]-ø benzamide; C₁₀H₁₃N₅O₇; 38103-61-6
Tolamolol Hydrochloride 51599-37-2
Beta-adrenoceptor antagonist

Tolazamide (rINN) tol·ä·za·mïd
1-(Perhydroazepin-1-yl)-3-p-tolysulfonylurea; C₁₄H₁₉N₃O₃S; 1156-19-0
Inhibition of ATP-dependent potassium channels (sulfonylurea); treatment of diabetes mellitus

Tolazoline (rINN) tol·ä·zö·lën
2-Benzyl-2-imidazoline; C₁₀H₁₂N₂; 59-98-3
Tolazoline Hydrochloride 59-97-2
Alpha-adrenoceptor agonist

Tolbutamide (rINN) tol·bü·ta·mïd
1-Butyl-3-tosylurea; C₁₂H₁₈N₂O₃S; 64-77-7
Inhibition of ATP-dependent potassium channels (sulfonylurea); treatment of diabetes mellitus

Tolcapone (rINN) see Appendix C

The symbol ‘¬’ in systematic chemical names signifies line continuation
Toldimfos (rINN) tol·dim·fos
4-Dimethylamino-o-tolylphosphinic acid; C₉H₁₄NO₂P;
57808-64-7
Toldimfos Sodium 5787-63-3
Source of phosphate

Tolpenamide (rINN) tol·pen·ta·mid
1-Cyclopentyl-3-tosylurea; C₁₇H₁₈N₂O₃S; 1027-87-8
Treatment of diabetes mellitus

Tolgenamic Acid (rINN) tol·fe·nam·ik
N-(3-Chloro-o-tol)anthranilic acid; C₁₄H₁₂ClNO₂; 13710-19-5
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Tolgbide (rINN) tol·ga·bid
(E)-4-(4´,5-Dichloro-2-hydroxy-3-methylbenzhydrylideneamino)butyramide; C₁₈H₁₈Cl₂N₂O₂; 86914-11-6
Antiepileptic

Tolmesoxide (rINN) tol·me·sox·ide
4,5-Dimethoxy-o-tolyl methyl sulfoxide; C₁₀H₁₄O₃S; 38452-29-8
Vasodilator

Tolmetin (rINN) see Appendix C

Tolnaftate (rINN) tol·naf·tät
O-2-Naphthyl N-methyl-m-tolythiocarbamate; C₁₉H₁₇NOS;
2398-96-1
Antifungal

Tolperisone (rINN) tol·pe·ri·sön
(RS)-2,4´-Dimethyl-3-piperidinopropiophenone; C₁₃H₂₅NO;
728-88-1
Skeletal muscle relaxant

Tolpiprazole (rINN) see Appendix C

Tolpronine (rINN) tol·prö·nën
(RS)-1-(1,2,3,6-Tetrahydro-1-pyridyl)-3-o-tolyloxypropan-2-ol;
C₁₃H₂₅NO; 97-57-4
Analgesic

Tolpropamine (rINN) see Appendix C

Tolrestat (rINN) tol·res·tat
N-[6-Methoxy-5-trifluoromethyl-1-naphthyl(thiocarbonyl)]-N-
methylglycine; C₁₉H₁₄F₃NO₃S; 82964-04-3
Aldose reductase inhibitor; treatment of diabetes mellitus

Tolrestat (rINN) tol·res·tat
N-[6-Methoxy-5-trifluoromethyl-1-naphthyl(thiocarbonyl)]-N-
methylglycine; C₁₉H₁₄F₃NO₃S; 82964-04-3
Aldose reductase inhibitor; treatment of diabetes mellitus
Tolterodine (rINN) tol-te-ro-dën
(\(\text{\(\text{R}\)}\))-2-[3-(Di-isopropylamino)-1-phenylpropyl]-\(\text{\(\text{p}\)}\)-cresol; C\(_2\)H\(_2\)O; 124937-51-5

**Tolterodine Tartrate**
*Anticholinergic*

![Chemical Structure of Tolterodine Tartrate](image)

Topiramate (rINN) to-pi-ra-mát
2,3,4,5-Di-O-(isopropylidene)-\(\beta\)-D-fructopyranose sulfamate; \(\text{C}_{12}\text{H}_{21}\text{NO}_{8}\); 97240-79-4

**Antiepileptic**

![Chemical Structure of Topiramate](image)

Toltrazuril (rINN) tol-trá-zúr-ril
1-Methyl-3-\{4-\[4-(trifluoromethylthio)phenoxy\]-\(\text{\(\text{m}\)}\)-tolyl\}\}-1,3,5-triazinane-2,4,6-trione; C\(_{11}\)H\(_7\)N\(_3\)O\(_4\); 69004-03-1

**Antiprotozoal**

![Chemical Structure of Toltrazuril](image)

Tolvaptan (rINN) tol-vap tan
N-[4-\{(5RS)-7-Chloro-5-hydroxy-2,3,4,5-tetrahydro-1H-1-benzazepin-1-yl\}-3-methylphenyl]-2-methylbenzamide; C\(_{26}\)H\(_{25}\)ClN\(_2\)O\(_3\); 150683-30-0

**Vasopressin \(V_2\) receptor antagonist; treatment of the syndrome of inappropriate ADH secretion**

![Chemical Structure of Tolvaptan](image)

Tolycaine (rINN) tol-ë-kán
Methyl 2-diethylaminoacetamido-\(\text{\(\text{m}\)}\)-toluate; C\(_{15}\)H\(_{22}\)N\(_2\)O\(_3\); 3886-58-6

**Local anaesthetic**

![Chemical Structure of Tolycaine](image)

Topixantrone (rINN) to piks-an-trón
5-\{(2-Dimethylaminoethyl)amino\}-2-\{(2-hydroxyethyl)\}aminomethyl\}mazo[4,3-g][1,2,6-isoquinolin-6(2H)-one; C\(_{21}\)H\(_{26}\)N\(_6\)O\(_2\)

**Topixantrone Hydrochloride (2:1)**
*Inhibitor of DNA topoisomerase type II; antineoplastic*

![Chemical Structure of Topixantrone](image)

Topotecan (rINN) to po-te-kan
(\(S\))-10-Dimethylaminomethyl-4-ethyl-4,9-dihydroxy-1H-pyran[3',4':6,7]-indolino[1,2-h]quinoline-3,14(4H,12H)-dione; C\(_{23}\)H\(_{23}\)N\(_3\)O\(_5\); 123948-87-8

**Topotecan Hydrochloride 119413-54-6**
*Inhibitor of DNA topoisomerase type I; antineoplastic*

![Chemical Structure of Topotecan](image)

Torasemide (rINN) tor-ra-se-mїd
1-Isopropyl-3-(4-m-toluidinopyridine-3-sulfonyl)urea; C\(_{16}\)H\(_{20}\)N\(_4\)O\(_3\); 56211-40-6

**Torasemide Sodium 72810-59-4**
*Thiazide-like diuretic*

![Chemical Structure of Torasemide](image)

The symbol ‘¬’ in systematic chemical names signifies line continuation.
Toremifene (rINN) tor·e·mi·fên
(Z)-2-[4-[4-Chloro-1,2-diphenylbut-1-enyl]phenoxy]ethyl dimethylamine; C_{26}H_{28}ClNO; 89778-26-7
Selective estrogen receptor modulator

Tosactide (rINN) to·sak·tïd
[25-Aspartic acid,26-alanine,27-glycine]corticotrophin-(1-28)-octacosapeptide; C_{150}H_{230}N_{44}O_{38}S; 47931-80-6
Corticotropin analogue

Tosylchloramide Sodium (rINN) tö·sïl·klor·amïd sô·dë·um
N-Chlorotoluene-p-sulfonamide trihydrate, sodium salt; C_{7}H_{7}ClNNaO_{2}S,_{3}H_{2}O; 7080-50-4
Antiseptic

Trabectedin (rINN) tra·bék·ted·in
C_{39}H_{43}N_{3}O_{11}S; 114899-77-3;
DNA binding agent; treatment of soft-tissue sarcomas

Trabedersen (rINN) tra·bed·er·sen
2’-Deoxy-P-thiocytidylyl-(3’→5’)2’-deoxy-P-thioguanylyl-(3’→5’)2’-deoxy-P-thiocytydyl-(3’→5’)2’-deoxy-P-thioadenyllyl-(3’→5’)P-thiothymidylyl-(3’→5’)2’-deoxy-P-thioguanylyl-(3’→5’)P-thiothymidylyl-(3’→5’)2’-deoxy-P-thioadenyllyl-(3’→5’)P-thiothymidylyl-(3’→5’)P-thiothymidylyl-(3’→5’)P-thiothymidylyl-(3’→5’)P-thiothymidylyl-(3’→5’)P-thiothymidylyl-(3’→5’)2’-deoxy-P-thioguanylyl-(3’→5’)P-thiothymidylyl-(3’→5’)2’-deoxyadenosine; C_{17}H_{223}N_{60}O_{94}P_{17}S_{17}; 5681-61-4;
Antisense oligonucleotide (TGF beta-2); antineoplastic

Tracazolate (rINN) tra·kaz·ö·lät
Ethyl 4-butylamino-1-ethyl-6-methyl-1H-pyrazolo[3,4-b]-pyridine-5-carboxylate; C_{16}H_{24}N_{4}O_{2}; 41094-88-6
Gamma-aminobutyric acid (GABAA) receptor modulator; anxiolytic

Tramadol (rINN) tra·ma·dol
(±)-cis-2-Dimethylaminomethyl-1-(3-methoxyphenyl)-cyclohexanol; C_{16}H_{25}NO_{2}; 27203-92-5
●Tramadol Hydrochloride 36282-47-0
µ-Opioid receptor (OP3, MOR) agonist and noradrenaline reuptake inhibitor; analgesic

Tramazoline (rINN) tra·mä·zö·lën
2-Imidazolin-2-yl(5,6,7,8-tetrahydro-1-naphthyl)amine; C_{13}H_{17}N_{3}; 1082-57-1
●Tramazoline Hydrochloride 3715-90-0
Adrenoceptor agonist; decongestant

Trametinib (rINN) tra·me·tin·ib
N-(3-[3-Cyclopropyl-5-[2-fluoro-4-iodophenyl]amino]-6,8-dimethyl-2,4,7-trioxo-3,4,6,7-tetrahydropyrido[4,3-d]pyrimidin-1(2H)-yl]phenyl)acetamide; C_{26}H_{23}FIN_{5}O_{4}; 871700-17-3
Trametinib Dimethyl Sulfoxide 1187431-43-1
Tyrosine kinase (mitogen-activated extracellular kinase, MEK1 and MEK2) inhibitor; treatment of malignant melanoma
**Trandolapril** (rINN) tran·do·la·pril
(2S,3aR,7aS)-1-{
 N-[S-1-Ethoxycarbonyl-3-phenylpropyl]-l-
alanyl}perhydroindole-2-carboxylic acid; C_{24}H_{34}N_{2}O_{5};
87679-37-6
Angiotensin converting enzyme inhibitor

**Tranexamic Acid** (rINN) tran·eks·a·mik
trans-4-Aminomethylcyclohexanecarboxylic acid; C_{8}H_{15}NO_{2};
1197-18-8
Antifibrinolytic

**Tranylcypromine** (rINN) tra·nïl·sï·prö·mën
trans-2-Phenylcyclopropylamine; (C_{9}H_{11}N)_{2};
155-09-9
*Tranylcypromine Sulfate* 13492-01-8
Monoamine oxidase inhibitor; antidepressant

**Trapidil** (rINN) tra·pi·dil
N,N-Diethyl-5-methyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-amine;
C_{10}H_{12}N_{5}; 15421-84-8
Antiplatelet agent; vasodilator

**Trastuzumab** (rINN) tra stū·zoo·mab
Immunoglobulin G 1 (human–mouse monoclonal rhuMab
HER2γ-chain antihuman p185^{erbB2} receptor), disulfide with
human–mouse monoclonal rhuMab HER2-light chain, dimer;
180288-69-1
Monoclonal antibody (EGFR II; HER2); antineoplastic

**Travoprost** (rINN) tra·vō·prost
(1) Isopropyl (Z)-7-((1R,2R,3R,5S)-3,5-dihydroxy-4-[[3-(trifluoromethyl)phenyloxy]but-1-
enyl]cyclopentyl]hept-5-enoate;
(2) Isopropyl (3Z,13E)-(9S,11R,15R)-9,11,15-trihydroxy-16-[3-
(trifluoromethyl)phenyloxy]-17,18,19,20-tetranorprosta-5,13-
dienoate; C_{26}H_{35}F_{3}O_{6}; 157283-68-6
Prostaglandin (PGF_{2α}) analogue

**Travoprost**

**Trazodone** (rINN) tra·zö·dön
2-[3-(4-m-Chlorophenylpiperazin-1-yl)propyl]-1,2,4-triazolo-\[4,3-a\]pyridin-3(2H)-one; C_{12}H_{15}ClN_{5}O; 19794-93
*Trazodone Hydrochloride* 25332-19-2
Monoamine reuptake inhibitor; antidepressant

**Trehalose** (rINN) trë·ha·lös
α-α-Glucopyranosyl α-α-glucopyranoside;
C_{12}H_{22}O_{11}; 99-20-7;
Excipient

**Trenbolone** (rINN) tren·bo·lön
17β-Hydroxyestra-4,9,11-trien-3-one; C_{18}H_{22}O_{2}; 10161-33-8
*Trenbolone Acetate* 10161-34-9;
Anabolic steroid; androgen

The symbol ‘¬’ in systematic chemical names signifies line continuation
Treosulfan (rINN) \( \text{t}-\text{Threitol 1,4-dimethanesulfonate; } C_6H_{14}N_8S_2; \) 299-75-2
*Antineoplastic alkylating agent*

Tresperimus (rINN) \( \text{tre}-\text{spe}-\text{ri}-\text{mus} \)
\[ [[6-\text{Guadinohexyl}]-\text{carbamoyl}][\text{methyl } N-\{4-[(3-\text{aminopropyl})\text{amino}]\text{butyl} \text{ carbamate; } C_{17}H_{37}N_{7}O_{3}; \) 160677-67-8
*Immunosuppressant*

Tretamine (rINN) see Appendix C

Trethinium Tosilate (rINN) see Appendix C

Tretinoin (rINN) \( \text{tre}-\text{tin}-\text{ö} \)
(1) 15-Apo-\( \beta \)-caroten-15-oic acid; (2) 3,7-dimethyl-9-(2,6,6-trimethylcyclohex-1-enyl)nona-2,4,6,8-all-trans-tetraenoic acid; (3) all-trans-retinoic acid; \( C_{20}H_{28}O_{2}; \) 302-79-4
*Vitamin A analogue (retinoid); treatment of acne*

Triacetin (rINN) \( \text{trï}-\text{a}-\text{së}-\text{tin} \)
Propane-1,2,3-triyl triacetate; \( C_9H_{14}O_6; \) 102-76-1
*Antifungal*

Triaclavon (rINN) \( \text{tri}-\text{a}-\text{clav}-\text{ö} \)
9\( \alpha \)-Fluoro-11\( \beta \)-21-diheydroxy-16\( \alpha \),17\( \alpha \)-isopropylidenedioxy-pregna-1,4-diene-20-dione; \( C_{29}H_{27}FO_6; \) 480-97-9
*Glucocorticoid*

Triamcinolone (rINN) \( \text{trï}-\text{am}-\text{cin}-\text{o}-\text{lön} \)
9\( \alpha \)-Fluoro-11\( \beta \),21-tetrahydroxy-16\( \alpha \),17\( \alpha \)-isopropylidenedioxy-pregna-1,4-diene-3,20-dione; \( C_{29}H_{27}FO_6; \) 124-94-7
*Glucocorticoid*

Triamcinolone Acetonide (rINN) \( \text{trï}-\text{am}-\text{cin}-\text{o}-\text{lön} \)
9\( \alpha \)-Fluoro-11\( \beta \),21-dihydroxy-16\( \alpha \),17\( \alpha \)-isopropylidenedioxy-pregna-1,4-diene-3,20-dione; \( C_{29}H_{27}FO_6; \) 76-25-5
*Glucocorticoid*

Triamcinolone Hexacetonide (rINN) \( \text{trï}-\text{am}-\text{cin}-\text{o}-\text{lön} \)
9\( \alpha \)-Fluoro-11\( \beta \)-hydroxy-16\( \alpha \),17\( \alpha \)-isopropylidenedioxy-pregna-1,4-diene-21-yl 3,3-dimethylbutyrate; \( C_{30}H_{41}FO_7; \) 561-15-1
*Glucocorticoid*

Triamterene (rINN) \( \text{tri}-\text{am}-\text{te}-\text{rën} \)
6-Phenylpteridine-2,4,7-triamine; \( C_{12}H_{11}N_7; \) 596-01-0
*Sodium channel blocker; potassium-sparing diuretic*

Triaziquone (rINN) see Appendix C

Triazolam (rINN) see Appendix C

Tribavirin see Ribavirin
• Tribenoside (rINN) trî·ben·ô·sid
  Ethyl 3.5.6-tri-O-benzyl-α-glucosanose; C_{29}H_{34}O_{6}; 10310-32-4
  Sclerosing agent

Trichlormethine (rINN) trî·klor·me·thën
Tris(2-chloroethyl)amine; C_{6}H_{12}Cl_{3}N; 555-77-1
  Antineoplastic alkylating agent

Triclofos (rINN) trî·klo·fos
2,2,2-Trichloroethyl dihydrogen phosphate; C_{2}H_{4}Cl_{3}O_{4}P; 306-52-5
  Hypnotic

Triclosan (rINN) trî·klö·san
5-Chloro-2-(2,4-dichlorophenoxy)phenol; C_{12}H_{7}Cl_{3}O_{2}; 3380-34-5
  Antiseptic

Tricyclamol Chloride (rINN) see Appendix C

Tridihexethyl Chloride (rINN) trî·di·heks·ê·thil
(RS)-(3-Cyclohexyl-3-hydroxy-3-phenylpropyl)tris(triethylammonium chloride; C_{21}H_{36}ClNO; 125-99-5
  Anticholinergic

Triclabendazole (rINN) trî·kla·ben·da·zôl
5-Chloro-6-(2,3-dichlorophenoxy)-2-(methylthio)-1H-benzimidazole; C_{14}H_{9}Cl_{3}N_{2}OS; 68786-66-3
  Benzimidazole antihelminthic

Triclofenol Piperazine (rINN) trî·klo·fë·nol pi·pe·ra·zën
Piperazine bis(2,4,5-trichlorophenoxide); C_{16}H_{16}Cl_{6}N_{2}; 5714-82-9
  Antihelminthic

Trifluomeprazine (rINN) tri·floo·om·pa·zën
(RS)-Dimethyl[2-methyl-3-(2-trifluoromethylphenothiazin-10-yl)propyl]amine; C_{19}H_{21}F_{3}N_{2}S; 2622-37-9
  Dopamine receptor antagonist; antipsychotic

The symbol ‘¬’ in systematic chemical names signifies line continuation
Trifluoperazine (rINN) triflóö·pe·ra·zén
10-3-(4-Methylpiperazin-1-yl)propyl]-2-trifluoromethyl-phenothiazine; C<sub>21</sub>H<sub>24</sub>F<sub>3</sub>N<sub>3</sub>S; 117-89-5

• Trifluoperazine Hydrochloride 440-17-5 Dopamine receptor antagonist; antipsychotic

Trifluperidol (rINN) see Appendix C

Triflupromazine (rINN) triflóö·pra·ma·zén
Dimethyl[3-(2-trifluoromethylphenothiazin-10-yl)propyl]-amine; C<sub>18</sub>H<sub>19</sub>F<sub>3</sub>N<sub>2</sub>S; 146-54-3
Dopamine receptor antagonist; antipsychotic

• Trifluridine (rINN) triflóö·ri·dïn
1-(2R,4S,5R)-4-Hydroxy-5-(hydroxymethyl)oxolan-2-yl]-5-(trifluoromethyl)pyrimidine-2,4(1H,3H)-dione; C<sub>10</sub>H<sub>11</sub>F<sub>3</sub>N<sub>2</sub>O<sub>5</sub>; 70-00-8
Pyrimidine nucleoside analogue; antiviral (herpes viruses)

• Triflusul (rINN) triflóö·sal
O-Acetyl-4-(trifluoromethyl)salicylic acid; C<sub>10</sub>H<sub>7</sub>F<sub>3</sub>O<sub>4</sub>; 322-79-2
Thromboxane synthesis inhibitor; antiplatelet drug

Trifosmin (rINN) tri·fos·min
Tris(3-methoxypropyl)phosphine; C<sub>12</sub>H<sub>27</sub>O<sub>3</sub>P; 83622-85-9
Non-radioactive chemical precursor for diagnostic imaging radiopharmaceutical

Trifluoperazine (rINN) triflóö·pe·ra·zén
10-3-(4-Methylpiperazin-1-yl)propyl]-2-trifluoromethyl-phenothiazine; C<sub>21</sub>H<sub>24</sub>F<sub>3</sub>N<sub>3</sub>S; 117-89-5

• Trifluoperazine Hydrochloride 440-17-5 Dopamine receptor antagonist; antipsychotic

Trifluoperazine (rINN) triflóö·pe·ra·zén
10-3-(4-Methylpiperazin-1-yl)propyl]-2-trifluoromethyl-phenothiazine; C<sub>21</sub>H<sub>24</sub>F<sub>3</sub>N<sub>3</sub>S; 117-89-5

• Trifluoperazine Hydrochloride 440-17-5 Dopamine receptor antagonist; antipsychotic

Trimebutine (rINN) tri·me·bü·tën
2-Hydroxy-2-methylpropyl 4-(4-amino-6,7,8-trimethoxyquinazolin-2-yl)piperazine-1-carboxylate; C<sub>20</sub>H<sub>29</sub>N<sub>5</sub>O<sub>6</sub>; 35795-16-5
Trimazosin Hydrochloride 35795-17-6; 53746-46-6 (monohydrate)
Alpha<sub>1</sub>-adrenoceptor agonist

Trimebutine Maleate 34140-59-5

Trilexynidyl (rINN) tri·lék·sid·ë·l
52-49-3 Anticholinergic

and enantiomer

Trihexyphenidyl (rINN) tri·heks·ë·fe·ni·dïl
(RS)-1-Cyclohexyl-1-phenyl-3-piperidinopropan-1-ol; C<sub>20</sub>H<sub>31</sub>NO; 144-11-6

• Trihexyphenidyl Hydrochloride 52-49-3 Anticholinergic

and enantiomer

Trihexyphenidyl (rINN) tri·heks·ë·fe·ni·dïl
(3S)-1-Cyclohexyl-1-phenyl-3-piperidinopropan-1-ol; C<sub>20</sub>H<sub>31</sub>NO; 144-11-6

• Trihexyphenidyl Hydrochloride 52-49-3 Anticholinergic

and enantiomer
Trimegestone (rINN) trimejes'tön
1β-[((S)-2-Hydroxypropionyl]-17α-methylestra-4,9,15,3-one; C₂₂H₃₀O₃; 74513-62-5
Progestogen

Trimeperidine (rINN) trimeper'idën
1,2,5-Trimethyl-4-phenyl-4-piperidyl propionate; C₁₇H₂₅NO₂; 64-39-1
Opioid receptor agonist

Trimeprazine see Alimemazine

Trimetaphan Camsilate (rINN) see Appendix C

Trimetazidine (rINN) trime'ta zi'dën
1-(2,3,4-Trimethoxybenzyl)piperazine; C₁₄H₂₂N₂O₃; 5011-34-7
Vasodilator

Trimethadione (rINN) 3,5,5-Trimethyl-1,3-oxazolidine-2,4-dione; C₆H₉NO₃; 127-48-0
Antiepileptic

Trimethidinium Methosulfate (rINN) see Appendix C

Trimethoprim (rINN) trime'thö prim
5-(3,4,5-Trimethoxybenzyl)pyrimidine-2,4-diylidiamine; C₁₃H₁₀N₂O₃; 738-70-5
Dihydrofolate reductase inhibitor; antibacterial

Trimethoprim see Appendix C

Trimipramine (rINN) trimi'pra min
(RS)-Dimethyl[3-(10,11-dihydro-5H-dibenzo[b,f]azepin-5-yl)-2-methyl|propyl]amine; C₂₀H₂₅N₂; 739-71-9
Monoamine reuptake inhibitor; tricyclic antidepressant

Trimetrexate (rINN) trime'trek'sät
5-Methyl-6-(3,4,5-trimethoxyanilinomethyl)quinazolin-2,4-diylidiamine; C₁₉H₁₅N₅O₃; 52128-33-5
Dihydrofolate reductase inhibitor; antifungal (Pneumocystis jiroveci)

Trimetrexate see Appendix C

Trimetrexate (rINN) trime'trek'sät
5-Methyl-6-(3,4,5-trimethoxyanilinomethyl)quinazolin-2,4-diylidiamine; C₁₉H₁₅N₅O₃; 52128-33-5
Dihydrofolate reductase inhibitor; antifungal (Pneumocystis jiroveci)

Trimetrexate see Appendix C

Triparanol (rINN) see Appendix C

Tripelennamine see Appendix C

Triplatin Tetranitrate (rINN) triplatin tetran'ät
(SP-4-1)-Diamminebis[(SP-4-2)-diamminechloroplatinum(II) (µ-hexane-1,6-diamine)platinum tetranitrate; C₁₂H₁₀Cl₂N₄O₁₂Pt₃; 172903-00-3
Platinum-containing antineoplastic

The symbol ‘¬’ in systematic chemical names signifies line continuation
Triprolidine (rINN) tri-pro-li·dên (E)-2-[3-(Pyrolidin-1-yl)-1-p-toly]prop-1-enyl]pyridine; C₁₉H₂₂N₂; 486-12-4
• Triprolidine Hydrochloride 6138-79-0
Histamine H₁ receptor antagonist; antihistamine

Triptorelin (rINN) trip·tö·rë·lin
[6-O-Tryptophan] luteinising hormone-releasing factor; C₆₄H₈₂N₁₈O₁₃; 57773-63-4
Gonadotrophin releasing hormone (gonadorelin) analogue; treatment of prostate carcinoma

Troglitazone (rINN) see Appendix C

Troleandomycin (rINN) trö·la·na·mï·sin
(2R,3S,4R,5S,6S,8R,10R,11S,12R,13R)-11-Acetoxy-3-(4-O-acetyl-2,6-dideoxy-3-O-methyl-a-L-arabino-hexopyranosyl-oxy)-5-(2-O-acetyl-3,4,6-trideoxy-3-dimethylamino-b-D-xylo-hexopyranosyloxy)-8,8-epoxymethano-2,4,6,10,12,13-hexamethyl-9-oxo tetradecan-13-olide; C₄₁H₆₇NO₁₅; 2751-09-9
Macrolide antibacterial

Trolnitrate Phosphate (rINN) see Appendix C

Trometamol (rINN) trö·me·ta·mol
2-Amino-2-hydroxymethylpropane-1,3-diol; C₄H₁₁NO₃; 77-86-1; component of several proprietary preparations
Organic amine proton acceptor; alkalinizing agent

Tropanserin (rINN) trö·pan·ser·rin
(8S)-Tropan-3-yl 3,5-dimethylbenzoate; C₁₇H₂₃NO₂; 85181-40-4
Tropanserin Hydrochloride 85181-38-0
Serotonin 5HT₂A receptor antagonist

Tropicamide (rINN) trö·pi·ka·midd (RS)-N-Ethyl-N-(4-pyridylmethyl)tropamide; C₁₇H₂₃N₂O₂; 1508-75-4
Anticholinergic

Tropolone Phosphate (rINN) see Appendix C

Tropspectomycin (rINN) trö·spek·tö·mï·sin
(2R,4aR,5aR,6S,7S,8R,9S,9aR,10aS)-2-Butyl-4a,7,9-trihydroxy-6,8-bis(methylamino)perhydropyrano[2,3-b][1,4]benzodioxin-4-one; C₁₇H₁₉N₂O₈; 88669-04-9
Tropspectomycin Sulfate 88851-61-0
Aminocyclitol antibacterial
Trospium Chloride (rINN) *tro*-spë·um klor·ïd
(1) (3r)-3-(Hydroxydiphenylacetoxyl)-8α,8'-spiro[8-azabicyclo-[3.2.1]octane-8,1'-pyrrolidin]-8-ylium chloride;
(2) 3α-hydroxyxiro[1αH-nortropane-8,1'-pyrrolidinium] chloride benzilate; C₂₅H₃₀ClNO₃; 10405-02-4
Anticholinergic

Troserutin (rINN) troks·ë·roo·tin
(1) 5-Hydroxy-7-(2-hydroxyethoxy)-2-[3,4-bis(2-hydroxyethoxy)phenyl]-4-oxo-4H-chromen-3-yl rutinoside;
(2) 3',4',7-tris[O-(2-hydroxyethyl)]rutin; C₃₃H₄₂O₁₉; 7085-55-4
Bioflavonoid

Trypsin (rINN) *trip*-së·in
A protease obtained from the pancreas of mammals by the extraction and subsequent activation of trypsinogen; 9002-07-7
Proteolytic enzyme

Tryptophan (rINN) *trip*-tö-fan
l-Tryptophan; l-2-Amino-3-(indol-3-yl)propionic acid; C₁₁H₁₄N₂O₂; 61-90-5;
Amino acid; treatment of depression

Tuaminoheptane (rINN) see Appendix C

Tubocurarine Chloride (rINN) tü·bö·kûr rar·ë·n
7',12'-Dihydroxy-6,6'-dimethoxy-2,2',2'-trimethyl-Ø-tubocuraranium chloride hydrochloride; C₃₇H₄₂Cl₂N₂O₆; 57-94-3
Non-depolarizing neuromuscular blocker

Tucaresol (rINN) tü·ka·re·sol
α-(2-Formyl-3-hydroxyphenoxy)p-toluic acid; C₁₅H₁₂O₅
Treatment of sickle-cell anaemia

Tulobuterol (rINN) see Appendix C

Turoctocog Alfa (rINN) tü·rok to·cog al·fa
Human coagulation factor VIII-(1-750)-(1638-1648)-peptide compound with human coagulation factor VIIIa light chain, glycosylated des-(751-1637)-human coagulation factor VIII-(1-1648)-peptide containing 92 kDa factor VIIIa heavy chain compound with human coagulation factor VIIIa light chain glycosylated (glycoform alfa produced in CHO cells); 1192451-26-5
Blood coagulation factor VIII
turoctocog alfa has the following amino acid sequence:

**Heavy chain**

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**Tyrosine**

*Tyrosine A*

\[ R = \text{CH}_2\text{CH}_2\text{O} - \left[ \text{CH}_2\text{CH}_2\text{O} \right]_m \text{OCH}_2\text{CH}_2\text{OH} \]

- Tylosin (rINN) *ty̆-lō-sīn*
  A macroide antibiotic derived from an actinomycete resembling *Streptomyces fradiae*; 1401-69-0
  **Tylosin Phosphate**
  **Tylosin Tartrate**
  *Macrolide antibiotic (veterinary)*

---

**Tyloxapol**

*Tyloxapol* (rINN) *ti̇-loks-ə-pol*

4-(1,1,3,3-Tetramethylbutyl)phenol polymer with ethylene oxide and formaldehyde; 23301-02-4

*Non-ionic surfactant*

[Chemical structure diagram]

---

**Tyramine**

*Tyramine* 3-[(1S)-1-(2-furylmethyl)-3-methylurea]

2-[(2-Isopropyl-5-methylphenoxymethyl)-2-imidazoline; 1401-69-0

*Adrenoceptor agonist; decongestant*

[Chemical structure diagram]

---

**Tyrosine** (rINN) *ty̆-rō-sēn*

1-L-Tyrosine; 1-2-Amino-3-(4-hydroxyphenyl)propionic acid; C₉H₇NO₃; 60-18-4

*Amino acid*

[Chemical structure diagram]

---

**Tyramine**

*Tyramine* 3-[(1S)-1-(2-furylmethyl)-3-methylurea]

2-[(2-Isopropyl-5-methylphenoxymethyl)-2-imidazoline; 1401-69-0

*Adrenoceptor agonist; decongestant*

[Chemical structure diagram]

---

**Tymazoline**

*BAN* *tī-mā zō-lèn*

2-(1,2-Dimethyl-1-propyl)-2-imidazoline; C₉H₁₅N₂O; 24243-97-8

*Adrenoceptor agonist; decongestant*

[Chemical structure diagram]
Tyrothricin (rINN) tï·rö· thrï·sin
A mixture of antimicrobial polypeptides, including gramicidin and tyrocidine, produced by Bacillus brevis; 1404-88-2
Polypeptide antibacterial

Ubidecarenone (rINN) ü·bi·de·ka·re·nøn
2-[(all-E)-3,7,11,15,19,23,27,31,35,39-decamethyleneocta-2,6,10,14,18,22,26,30,34,38-decaenyl]-5,6-dimethoxy-3-methyl-p-benzoquinone; C₃₅H₄₂O₄; 303-98-0
Co-enzyme in mitochondrial electron transport

Ubisindine (rINN) ü·bi·sin·dën
(1) (RS)-2-(2-Diethylaminoethyl)-3-phenylsindolin-1-one;
(2) (RS)-2-(2-diethylaminoethyl)-3-phenylphthalimidine;
C₂₀H₂₄N₂O; 26070-78-0
Antiarrhythmic

Ulipristal (rINN) ü·li·priss·tal
11β-[4-(Dimethylamino)phenyl]-17-hydroxy-19-norpregna-4,9-diene-3,20-dione; C₂₉H₃₅NO₃; 159811-51-5
Ulipristal Acetate 126784-99-4
Progestogen; post-coital contraceptive

Umeclidinium Bromide (rINN) ü·mé·klî·di·në um brô·mid
1-{2-[(Benzyl)oxy]ethyl}-4-[hydroxydi(phenyl)ethyl]-1-azabicyclo[2.2.2]octan-1-ium bromide; C₂₉H₃₄BrNO₂; 869113-19-3
Anticholinergic (antimuscarinic) bronchodilator

Upenazime (rINN) ü·pen·a·zëm
(E,E)-3,3'-Dimethyl-3,3'-(butane-1,4-diyldi-imino)bis(butan-2-one oxide); C₁₄H₂₈N₂O₂; 95268-62-5
Non-radioactive chemical precursor for diagnostic imaging radiopharmaceutical

Uramustine (rINN) ür·ma·stën
5-[Bis(2-chloroethyl)amino]uracil; C₈H₁₁ClN₃O₂; 66-75-1
Antineoplastic alkylating agent

Urapidil (rINN) ür·ap·id·il
6-[(4-o-Methoxyphenyl)piperazin-1-yl]propylamino]-1,3-dimethyluracil; C₁₉H₂₇N₅O₂; 34661-75-1
Alpha₁-adrenoceptor antagonist

Uredofos (rINN) ür·rë·dö·fos
Diethyl 3-[2-(3-tosylureido)phenyl]-2-thioureidophosphonate; C₁₉H₂₅N₅O₆PS₂; 52406-01-6
Antihelmintic

Urofollitropin (rINN) ür·rö·fol·li·trö·pin
A preparation of menopausal gonadotrophin extracted from human urine, but possessing negligible luteinising hormone (LH) activity
Follicle-stimulating hormone

Urokinase (rINN) ür·rö·kî·näz
An enzyme isolated from human urine that converts plasminogen to plasmin; EC 3.4.21.31; 9039-53-6
Plasminogen activator; fibrinolytic enzyme

The symbol ‘¬’ in systematic chemical names signifies line continuation
**Ursodeoxycholic Acid** (rINN) urs ô deks ô koi lik
3α,7β-Dihydroxy-5b-cholan-24-oic acid; C24H40O4; 128-13-2
Bile acid; treatment of gallstones

**Ustekinumab** (rINN) ü ste kin ü mab
Immunoglobulin G1, anti-[Homo sapiens interleukin 12B (IL12B, IL12p40, natural killer cell stimulatory factor 2, NKS2, cytotoxic lymphocyte maturation factor 2, CLMF, CLMLF p40)], Homo sapiens monoclonal antibody, CNTO 1275; gamma 1 heavy chain (1-449) [Homo sapiens VH (IGHV5-51-(IGHD)-IGHJ4*01) [8.8.12] (1-119)-IGHG1*01, CH1 A1.4+S (120-449)], (222-214')-disulfide with kappa light chain (1'-214') [Homo sapiens V-KAPPA (IGKV1D-16-IGKJ2*01) [6.3.9] (1'-107')-IGKC*01 (108'-214')]; (228-228':231-231')-bisdisulfide dimer; 815610-63-0
Monoclonal antibody (interleukin 12 and 23); treatment of psoriatic arthritis

**Utecapril** (rINN) ü tü ba pril
(S)-5-tert-Butyl-3-(N-[(S)-1-carboxy-3-phenylpropyl]l-allyl)-2,3-dihydro-1,3,4-thiadiazole-2-carboxylic acid; C20H19N2O3S; 109683-79-9
Angiotensin converting enzyme inhibitor

**Utecaprilat** (rINN) ü tü ba pri lat
(2S)-5-tert-Butyl-3-[(N-[(S)-1-carboxy-3-phenylpropyl]l-allyl]-2,3-dihydro-1,3,4-thiadiazole-2-carboxylic acid; C20H19N2O3S; 109683-79-9
Angiotensin converting enzyme inhibitor

**Valaciclovir** (rINN) va la si klô veer
2-[(2-Amino-1,6-dihydro-6-oxo-9H-purin-9-yl)methoxy]ethyl l-valinate; C14H20N6O4; 124832-26-4
**Valaciclovir Hydrochloride** 124832-27-5
Purine nucleoside analogue; antiviral (herpes viruses)

**Valconazole** (rINN) val kö na zôl
(RS)-2-(2,4-Dichlorophenoxy)-1-imidazol-1-yl-4,4-dimethylpentan-3-one; C15H15ClN2O2; 56097-80-4
Antifungal

**Valonazole** (rINN) val kö na zôl
(RS)-2-(2,4-Dichlorophenoxy)-1-imidazol-1-yl-4,4-dimethylpentan-3-one; C15H15ClN2O2; 56097-80-4
Antifungal

Valonazole (rINN) val kö na zôl
(RS)-2-(2,4-Dichlorophenoxy)-1-imidazol-1-yl-4,4-dimethylpentan-3-one; C15H15ClN2O2; 56097-80-4
Antifungal

... and enantiomer
Valdecoxib (rINN) val-de-cox·ib
4-((5-Methyl-3-phenyl-1,2-oxazol-4-yl)benzenesulfonamide; C14H12N2O2S; 181695-72-7
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Valganciclovir (rINN) val·gan·si·klö·veer
(RS)-2-{{(Guanin-N9-yl)methoxy]-3-hydroxypropyl}l-valinate; C14H22N6O5; RO 1079070/194; RS 79070; 175865-60-8
Valganciclovir Hydrochloride 175865-59-5
Antiviral

Valine (rINN) va·lên
l-Valine; (S)-2-Amino-3-methylbutanoic acid; C5H11NO2; 72-18-4; Amino acid

Valnemulin (rINN) val·né·mú·lin
(3aS,4S,5S,6S,8S,9R,9aR,10R)-6-Ethenyl-5-hydroxy-4,6,9,10-tetramethyl-1-oxodecahydro-3a,9-propano-3aH-cyclopenta-[8]annulen-8-yl[2-[(2R)-2-amino-3-methyl butanoyl]amino]-1,1-dimethylsulfanyl]acetate; C30H31N3O12; 86541-75-7
Valnemulin Hydrochloride 133868-49-9
Antibacterial (veterinary)

Valproic Acid (rINN) val·pro·iık
2-Propylpentanoic acid; C8H16O2; 99-66-1
Sodium Valproate 1069-66-5
Antiepileptic

Vancomycin (rINN) van·kö·mï·sin
A glycopeptide antibacterial produced by certain strains of Streptomyces orientalis; C66H75Cl2N9O24; 1404-90-6
Vancomycin Hydrochloride 1404-93-9
Glycopeptide antibacterial

The symbol ‘¬’ in systematic chemical names signifies line continuation
**Vandetanib** (rINN) van·de·ta·nib

\[ N-(4-Bromo-2-fluorophenyl)-6-methoxy-7-[(1-methyl-\text{-}5-piperidin-4-yl)methoxy]quinazolin-4-amine; \text{C}_{22}\text{H}_{24}\text{BrFN}_{4}\text{O}_{2}; 338992-00-0 \]

Tyrosine kinase (VEGF and EGF) inhibitor; treatment of medullary thyroid carcinoma

**Varenicline** (rINN) va·re·nik·lên

\[ 7,8,9,10-Tetrahydro-6H-6,10-methanoazepino[4,5-g]\text{-}n\text{ quinoxaline; C}_{11}\text{H}_{14}\text{N}_{2}; \text{ 249296-44-4} \]

Nicotinic receptor agonist

**Vapiprost** (rINN) va·pi·prost

\[ (1) (Z)-(1R,2R,3S,5S)-7-[5-(Biphenyl-4-ylmethoxy)-3-hydroxy-2-piperidinocyclopentyl]hept-4-enoic acid; \]
\[ (2) (Z)-(9S,11S,12R)-9-biphenyl-4-ylmethoxy-11-hydroxy-12-piperidino-(13—20)octanorprost-4-enoic acid; \text{C}_{30}\text{H}_{39}\text{NO}_{4}; 85505-64-2 \]

Vapiprost Hydrochloride 87248-13-3

Thromboxane A\(_2\) inhibitor

**Vapreotide** (rINN) va·prë·ö·tïd

\[ \text{C}_{57}\text{H}_{70}\text{N}_{12}\text{O}_{9}\text{S}_{2}; 103222-11-3 \]

Vapreotide Acetate

Somatostatin analogue; treatment of neuroendocrine tumours, acromegaly, bleeding varices

Vapreotide has the amino acid sequence shown below:

\[ \text{d-Phe-Cys-Tyr-d-Trp-Lys-Val-Cys-Trp-NH}_2 \]

**Vardenafil** (rINN) var·den·a·fil

\[ 2-[2-Ethoxy-5-(4-ethylpiperazine-1-ylsulfonyl)phenyl]-5-methyl-7-propylimidazo[5,1-f][1,2,4]triazin-4(3H)-one; \text{C}_{23}\text{H}_{32}\text{N}_{6}\text{O}_{4}\text{S}; 224785-90-4 \]

Vardenafil Hydrochloride 224785-91-5

Selective inhibitor of cyclic GMP-specific phosphodiesterase type V with vasodilator action; treatment of erectile dysfunction

**Vedaprofen** (rINN) vë·da·pro·fen

\[ (RS)-2-(4-Cyclohexyl-1-naphthyl)propionic acid; \text{C}_{19}\text{H}_{22}\text{O}_{2}; 71109-09-6 \]

Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory (veterinary)

**Vecuronium Bromide** (rINN) ve·kûr·rö·në um

\[ 1-{(3a,17β)-Diacetoxy-2β-piperidino-5α-androstan-16β-yl)-1-methylpiperidinium bromide; \text{C}_{34}\text{H}_{57}\text{BrN}_{2}\text{O}_{4}; 50700-72-6 \]

Non-depolarizing neuromuscular blocker

**Vedolizumab** (rINN) ved·ö·li·zoo·mab

Immunoglobulin G\(_1\)-kappa, anti-[Homo sapiens alpha4beta7 integrin (lymphocyte Peyer’s patch adhesion molecule 1, LPAM-1), humanized monoclonal antibody; gamma1 heavy chain (1-451) [humanized VH (Homo sapiens IGHV1-3*01 (84.70%) -IGHD)-IGHJ4*01) [8.8.14] (1-121) -Homo sapiens IGHG1*01, CH2 l1.2>A, G1>A (122-451)], (224-219”)-disulfide with kappa light chain (1’-219”) [humanized V-KAPPA (Homo sapiens IGKV2-29*01 (84.00%) -IGKJ2*01, l124>V) [11.3.9] (1’-122) -Homo sapiens IGKC*01 (113’-219’)]; (230-230”-233”)-disulfide dimer; 943609-66-3

Monoclonal antibody (alfa-4-beta-7 integrin); treatment of ulcerative colitis and Crohn’s disease
vedolizumab has the following amino acid sequence:

**Heavy chain**

```
  QVQLVQSGAE VKPGASVQK SVCSSGYTFT
  SYWNNWVRQA PGRLEWIGE IDFESNTNY
  NQKFKGRVTL TVDISASTAY MELSSLRSD
  TVAYVCARGG YDQWDYALDA WGGQLTVVVS
  SASTGKPSVF PLAPSSKSTS GGTAAALCGLV
  KQYFQPPVTV SWNSGALTSG VHTTPAVLQS
  SGLYSLSSSVV TVPSSSLGTQ TYCNVNHKP
  SNTKVDKVE PKSCDKTHTC PECAPELAG
  APSVFLFPK PKTDLMISRT PEVTVVVVVD
  SHEDPVEKFN WYVQGVEVHN AKTPREEQY
  NSTDYRVSVL TVLHQWILAG KEYKCKVSNK
  ALPAPETKTI SKAKQGPREP QVYTLPPSRD
  ELTKHQVSLT CLVKGFTYPSD IAVEWESNGQ
  PENNYRTPPP VLDSSGSPFL YSKLTVDKSR
  WQQNVSFCS VMHEALNHNY TQKSLSLSPG
  K
```

**Light chain**

```
  DVVMTQGPGS LPTQPEPAS ISCRRSSQSLA
  KSYGNTYSW YLQKGPQSPQ LLITYGISNRF
  SGVDFRGFS GSDDFTDLRI SVEAEDGVV
  YQKLGTHQP YTGFQSTKVE IKRTVAAPSV
  FFIFPSEQL KSTTASVVCL LNINYPREAX
  VQHKVDVALQ SNQGQSEVTQ QDSKDESTYL
  SISLTLSKAD YEKHKKVYACE VTHQGLSPVM
  TSEPNPGEC
```

* glycosylation site

**Velaglucerase alfa (rINN) ve·lá·gloo·ser·ăs**

Human glucosylceramidase (EC 3.2.1.45 or beta-glucocerebrosidase), glycoform α; 884604-91-5; β-Glucocerebrosidase enzyme; treatment of Gaucher's disease

velaglucerase alfa has the following amino acid sequence:

```
  ARFCIPKSFQ YSSVVCYCNA TYCSDPDPFF FPALGTFSRY
  ESTRGSRME LSMGPIQRAH TGTLLLTLQ PEOQPQKWGG
  FGUAKRTAAA LMLALSPPA QKLLKSQFPS EEIGNYNIR
  VPMASCDFSI RTYTYTDFFPQ DQHLHFSLFP EEDTLEKIFL
  INHALAQKR PVSLLASPWT SPTWLFKNGA VNGKGSRLGQ
  PGOYHQWTA RYFVHKDAY AERKCLKQWAV TAENESPAGL
  LGYPQQOCLG FTPHEQDFPI ASDLGPTAN STHHNVALAM
  LDORRLLPK WAKULCTDE AARKVNGIAV HWYLDFAPFA
  KATLGETHRL FHTMNLFASE ACYQSQFQQW SVRGSGWDG
  MQYSPIITNN LLYHVVCWTD WNLANHMFOG PNWNRNFVDV
  PIIVDITKQT FYQKQMFYHL QHESKITPEG SQGGLVASSQ
  KNLQVAVLM HPDSAVVVV VESSKSDVPL TKDFVAVGFL
  ETISPGYRS HYLWWQK
```

* glycosylation sites

**Velaresol (rINN) ve·la·re·sol**

5-(2-Formyl-3-hydroxyphenoxy)valeric acid; C12H14O5; 77858-21-0
Treatment of sickle cell disease

**Velnacrine (rINN) see Appendix C**

**Vemurafenib (rINN) vem·yu·ra·fe·nib**

\[N-\{3-[5-(4-Chlorophenyl)-1H-pyrrolo[2,3-b]pyridin-3-carbonyl]-2,4-difluorophenyl\}propane-1-sulfonamide; C_{23}H_{18}ClF_{2}N_{3}O_{3}S; 918504-65-1\]
Tyrosine kinase (BRAF) inhibitor; treatment of malignant melanoma
Venlafaxine (rINN) ven·la·fak·sēn
(RS)-1-(2-Dimethylamino-1-p-methoxyphenyl ethyl)cyclohexanol; C₁₇H₂₇NO₂; 93413-69-5
• Venlafaxine Hydrochloride 99300-78-4
  Inhibition of 5HT and noradrenaline reuptake; antidepressant

Verapamil (rINN) ve·ra·pa·mil
(RS)-5-[N-(3,4-Dimethoxyphenethyl)methylamino]-2-(3,4-dimethoxyphenyl)-2-isopropylvaleronitrile; C₂₇H₃₈N₂O₄; 52-53-9
• Verapamil Hydrochloride 152-11-4
  Calcium channel blocker

Verapamil (rINN) ve·ra·pa·mil
(RS)-5-[N-(3,4-Dimethoxyphenethyl)methylamino]-2-(3,4-dimethoxyphenyl)-2-isopropylvaleronitrile; C₂₇H₃₈N₂O₄; 52-53-9
• Verapamil Hydrochloride 152-11-4
  Calcium channel blocker

Verapamil (rINN) ve·ra·pa·mil
(RS)-5-[N-(3,4-Dimethoxyphenethyl)methylamino]-2-(3,4-dimethoxyphenyl)-2-isopropylvaleronitrile; C₂₇H₃₈N₂O₄; 52-53-9
• Verapamil Hydrochloride 152-11-4
  Calcium channel blocker

Vetroporfin (rINN) ver·te·por·fin
A 50:50 mixture of (24RS,3RS)-24,3-dihydro-23,24-bis(methoxycarbonyl)-12-[2-(methoxycarbonyl)ethyl]-3,7,13,18-tetramethyl-17-vinylbenzo[b]porphyrin-8-propionic acid and (24RS,3RS)-24,3-dihydro-8-[2-(methoxycarbonyl)ethyl]-3,7,13,18-tetramethyl-17-vinylbenzo[b]porphyrin-12-propionic acid; C₄₁H₄₂N₄O₈ (both components); 129497-78-5
Porphyrin analogue; photosensitizing agent

Vernakalant (rINN) ver·nak·a·lant
(3R)-1-[(1R,2R)-2-[(2,6-Dichlorophenyl)methoxy]ethoxy]→
cyclohexyl]pyrrolidin-3-ol; C₂₃H₂₃NO₄; 794466-70-9;
• Vernakalant Hydrochloride 748810-28-8
  Potassium channel blocker; antiarrhythmic

Vetrabutine (rINN) ve·tra·but·ën
(RS)-Dimethyl-α-3-phenylproplyveratrylamine; C₉₈H₇₇NO₂; 3735-45-3
• Vetrabutine Hydrochloride 5974-09-4
  Uterus relaxant

Vidarabine (rINN) see Appendix C

Vigabatrin (rINN) vï·ga·ba·trin
4-Aminohex-5-enoic acid; C₆H₁₁NO₂; 60643-86-9
  Antiepileptic

Vilanterol (rINN) vi·lan·ter·ol
4-[(1R)-2-[(6-2-[2-(2,6-Dichlorophenyl)methoxy]ethoxy)hexyl] amino]-1-hydroxyethyl]-2-(hydroxymethyl)phenol;
C₂₄H₂₃Cl₂NO₃; 503068-34-6
• Vilanterol Trifenatate 503070-58-4
  Beta₂-adrenoceptor agonist; bronchodilator
Vildagliptin (rINN) vil·da·glip·tin
(2S)-1-{[3-Hydroxyadamantan-1-yl]amino}acetyl]pyrrolidine-2-carbonitrile; C₁₇H₂₅N₃O₂; 274901-16-5
Dipeptidyl peptidase IV inhibitor; treatment of type 2 diabetes mellitus

Viloxazine (rINN) see Appendix C

Vinbarbital (rINN) vin·bar·bi·tal
5-Ethyl-5-(1-methylbut-1-enyl)barbituric acid; C₁₁H₁₆N₂O₃; 125-42-8
Barbiturate

Vinblastine (rINN) vin·blas·tén
An alkaloid extracted from Vinca rosea; methyl (3aR,4R,5S,5aR,10bR,13aR)-4-acetoxy-3a-ethyl-9-[(5S,7S,9S)-5-ethyl-5-hydroxy-9-methoxycarbonyl-1,4,5,6,7,8,9,10-octahydro-2H-3,7-methanoazacycloundecino[5,4-b]indol-9-yl]-6-formyl-5-hydroxy-8-methoxy-3a,4,5,5a,6,11,12,13a-octahydro-1H-indolizino[8,1-c][carbazole-5-carboxylate; 22-oxovincaleukoblastine; C₄₆H₅₈N₄O₉; 865-21-4
• Vinblastine Sulfate 143-67-9
Vinca alkaloid antineoplastic

Vincamine (rINN) vin·ka·mën
An alkaloid obtained from Vinca minor; methyl (3α,14β,−)
16α-14-dihydro-14-hydroxyeburnamenine-14-carboxylate; C₂₁H₂₆N₂O₅; 1617-90-9
Vasodilator

Vincristine (rINN) vin·kris·tën
An alkaloid extracted from Vinca rosea; methyl (3αR,4R,5S,5aR,10bR,13aR)-4-acetoxy-3a-ethyl-9-[(5S,7S,9S)-5-ethyl-5-hydroxy-9-methoxycarbonyl-1,4,5,6,7,8,9,10-octahydro-2H-3,7-methanoazacycloundecino[5,4-b]indol-9-yl]-6-formyl-5-hydroxy-8-methoxy-3a,4,5,5a,6,11,12,13a-octahydro-1H-indolizino[8,1-c][carbazole-5-carboxylate; 22-oxovincaleukoblastine; C₄₆H₅₈N₄O₁₀; 57-22-7
• Vincristine Sulfate 2068-78-2
Vinca alkaloid antineoplastic

Vindesine (rINN) vin·de·sën
3-Carbamoyl-4-O-deacetyl-3-de(methoxycarbonyl)vincaleukoblastine; C₄₃H₅₅N₅O₇; 53643-48-4
• Vindesine Sulfate 59917-39-4
Vinca alkaloid antineoplastic

Vinflunine (rINN) vin·flū·nïn
4’-Deoxy-20’,20’-difluoro-8’-norvincaleukoblastine; C₄₆H₅₆F₂N₄O₈; 162652-95-1;
Vinflunine Ditartrate 194468-36-5
Vinca alkaloid; antineoplastic

The symbol ‘−’ in systematic chemical names signifies line continuation
Vinorelbine (rINN) vin-ør-rel-bén
3′,4′-Didehydro-4′-deoxy-8′-norvincaleukoblastine;
C_{36}H_{44}N_{4}O_{8}; 71486-22-1

**Vinorelbine Tartrate** 125317-39-7
Vinca alkaloid antineoplastic

Vinpocetine (rINN) vin-pö-set-ën
Ethyl (13aS,13bS)-13a-ethyl-2,3,5,6,13a,13b-hexahydro-1H-indolo[3,2,1-de]pyrido[2,1-i][1,5]naphthyridine-12-carboxylate; C_{22}H_{26}N_{2}O_{2}; 42971-09-5
Vincamine derivative

Vinybital (rINN) ví-nil-bí-tal
(RS)-5-(1-Methylbutyl)-5-vinylbarbituric acid; C_{11}H_{16}N_{2}O_{3}; 2430-49-1
Hypnotic

Virginiamycin (rINN) ver-jin-e-a-mí-sin
Antimicrobial substances produced by *Streptomyces virginiae*; certain components are identical with some constituents of mikamycin, ostreoglycin and pristinamycin; 11006-76-1
Streptogramin antibacterial (veterinary)

Vismodegib (rINN) vis-mů-de-jib
2-Chloro-N-[4-Chloro-3-[(pyridin-2-yl)phenyl]-4-(methane sulfonyl)benzamide; C_{16}H_{14}Cl_{2}N_{2}O_{3}S; 879085-55-9
Hedgehog pathway inhibitor; treatment of basal cell carcinoma

Visnadine (rINN) ví-ná-dên
(9R,10R)-10-Acetoxy-9,10-dihydro-8,8-dimethyl-2-oxo-2H,8H-pyran[2,3-f]chromen-9-yl (R)-2-methylbutyrate;
C_{23}H_{36}O_{5}; 477-32-7
Vasodilator

Viprynium Embonate see Pyrvinium Pamoate

Vismodegib see Appendix C

Vorapaxar (rINN) vor-a-pax-ar
Ethyl [(1R,3aR,4aR,6R,8aR,9S,9aS)-9-[(1E)-2-[5-(3-fluorophenyl)pyridin-2-yl]ethen-1-yl]-1-methyl-3-oxodecahydro naphtho[2,3-c]furan-6-yl]carbamate;
C_{30}H_{31}FN_{5}O_{5}; 618385-01-6
Vorapaxar Sulfate 705260-08-8
Thrombin receptor (protease-activated receptor, PAR-1) antagonist; prevention of thrombosis

Viprostol (rINN) ví-pros-tól
(1) Methyl (SZ,13E)-(11R,16RS)-11,16-dihydroxy-9-oxo-16-vinylprosta-5,13-dienoate; (2) methyl (Z)-7-[[1R,2R,3R]-2-[(E)-4RS]-butyl-4-hydroxyhexa-1,5-dienyl]-3-hydroxy-5-oxocyclopentylethanoate; C_{12}H_{16}O_{5}; 73621-92-8
Prostaglandin (PGE_{2}) analogue

and epimer at C^*
Voriconazole (rINN) vo·ri·kon·a·zôl
(2R,3S)-2-(2,4-Difluorophenyl)-3-(5-fluoropyrimidin-4-yl)-1-(1,2,4-triazol-1-yl)butan-2-ol; C<sub>16</sub>H<sub>14</sub>N<sub>5</sub>F<sub>3</sub>O; 137234-62-9
Antifungal

Vorozole (rINN) vo·rö·zôl
(S)-6-[4-Chloro-α-(1,2,4-triazol-1-yl)benzyl]-1-methyl-1H-benzotriazole; C<sub>15</sub>H<sub>13</sub>ClN<sub>6</sub>; 508233-74-7
Aromatase (testosterone) inhibitor

Vortioxetine (rINN) vor·ti·oks·e·tën
1-{2-[(2,4-Dimethylphenyl)sulfanyl]phenyl}piperazine; C<sub>18</sub>H<sub>22</sub>N<sub>2</sub>S; 508233-74-7
Vortioxetine Hydrobromide 960203-27-4
Antidepressant

Votumumab see Appendix C

Warfarin (rINN) wor·fa·rin
(RS)-4-Hydroxy-3-(3-oxo-1-phenylbutyl)coumarin; C<sub>19</sub>H<sub>16</sub>O<sub>4</sub>; 81-81-2
• Warfarin Sodium 129-06-6
• Warfarin Sodium Clathrate
Vitamin K epoxy reductase inhibitor; oral anticoagulant (coumarin)

Xamoterol (rINN) see Appendix C

Xantinol Nicotinate (rINN) zan·ti·nol ni·kö·ti·näit
(RS)-7-[2-Hydroxy-3-[2-hydroxyethyl(methyl)amino]-propyl]theophylline—nicotinic acid (1:1);
C<sub>13</sub>H<sub>21</sub>N<sub>5</sub>O<sub>4</sub><sub>C</sub>6H<sub>5</sub>NO<sub>2</sub>; 437-74-1
Nicotinic acid analogue; vasodilator

Xantocillin (rINN) zan·tö·si·lin
Antibiotics obtained from the mycelium of Penicillium notatum (xantocillin X is 2,3-di-isocyano-1,4-bis(4-hydroxyphenyl)buta-1,3-diene); C<sub>18</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>; 580-74-5
Penicillin antibacterial

Xenysalate (rINN) ze·ni·sa·lät
2-Diethylaminoethyl 2-hydroxybiphenyl-3-carboxylate; C<sub>19</sub>H<sub>23</sub>NO<sub>3</sub>; 3572-52-9
Seborrhoeic dermatitis

Xibornol (rINN) zï·bor·nol
6-[(1R,25,45)-Born-2-yl]-3,4-xylenol; C<sub>18</sub>H<sub>20</sub>O; 13741-18-9
Antibacterial

Xaliproden (rINN) za·li·pro·den
1,2,3,6-Tetrahydro-1-[2-(2-naphthyl)ethyl]-4-(3-trifluoromethyl)phenyl)pyridine; C<sub>24</sub>H<sub>22</sub>F<sub>3</sub>N; 134354-02-8
Nootropic agent; treatment of neurodegenerative diseases

The symbol ‘¬’ in systematic chemical names signifies line continuation
Xipamide (rINN) zip-a-mid
4-Chloro-5-sulfamoylsalicyloyl-2,6'-xylidide; C_{14}H_{15}ClN_{2}O_{4}S;
14293-44-8
Thiazide-like diuretic

Xylamidine Tosilate (rINN) see Appendix C

Xylazine (rINN) zî-la-zên
N-(5,6-Dihydro-4H-1,3-thiazin-2-yl)-2,6-xylidine; C_{12}H_{16}N_{2}S;
7361-61-7
• Xylazine Hydrochloride 23076-35-9
  Analgesic (veterinary)

• Xylitol (rINN) zî-li-tol
  Xylitol; C_{6}H_{12}O_{5}; 87-99-0
  Sweetening agent

Xylometazoline (rINN) zî-lo-me-tâz-ô-lên
2-(4-tert-Butyl-2,6-dimethylbenzyl)-2-imidazoline; C_{16}H_{24}N_{2};
526-36-3
• Xylometazoline Hydrochloride 1218-35-5
  Alpha-adrenoceptor agonist

Yohimbe Acid (rINN) yo-him-bik
17α-hydroxyyohimb-16a-carboxylic acid; C_{29}H_{37}N_{3}O_{3}
• Yohimbine hydrochloride 65-19-0
  Alpha-adrenoceptor antagonist

Zafirlukast (rINN) za-feer-loo-kast
Cyclopentyl [3-{2-methoxy-4-(o-tolylsulfonylamino-carbonyl)benzyl]-1-methylindol-5-yl]carbamate; C_{31}H_{37}N_{2}O_{7}S;
107753-78-6
  Leukotriene CysLT_{1} receptor antagonist; treatment of asthma

Zalcitabine (rINN) zal-sï-ta-bën
2',3'-Dideoxycytidine; C_{9}H_{13}N_{3}O_{3}; 7481-89-2
  Nucleoside reverse transcriptase inhibitor; antiviral (HIV)

Zaleplon (rINN) zal-e plon
3'-{3-(Cyanopyrazolo[1,5-a]pyrimidin-7-yl)-N-ethylacetanilide; C_{7}H_{12}N_{3}O; 151319-34-5
  Non-benzodiazepine hypnotic
The symbol ‘−’ in systematic chemical names signifies line continuation.
Zolasartan (rINN)  zö·la·tán
1-(3-Bromo-2-[2-(1H-tetrazol-5-yl)phenyl]furan-5-ylmethyl]-2-butyl-4-chloro-1H-imidazole-5-carboxylic acid; C_{24}H_{20}BrClN_{6}O_{3}; 145781-32-4
Angiotensin II (AT1) receptor antagonist

Zolazepam (rINN)  zö·lä·z·e·pam
4-(2-Fluorophenyl)-1,6,7,8-tetrahydro-1,3,8-trimethyl-Ø-pyrazolo[3,4-e][1,4]diazepin-7-one; C_{15}H_{15}FN_{4}O; 31352-82-6
Zolazepam Hydrochloride 33745-44-3
Benzodiazepine

Zoledronic Acid (rINN)  zö·le·dro·nik
1-Hydroxy-2-(imidazol-1-yl)ethane-1,1-diylphosphonic acid; C_{5}H_{10}N_{2}O_{7}P_{2}; 118072-93-8
Bisphosphonate; treatment of osteolytic lesions, hypercalcaemia

Zolmitriptan (rINN)  zol·mi·trip·tan
(S)-4-{3-[2-(Dimethylamino)ethyl]indol-5-ylmethyl}-1,3-oxazolidin-2-one; C_{16}H_{21}N_{3}O_{2}; 139264-17-8
Serotonin 5HT_{1} receptor agonist; treatment of migraine

Zolpidem (rINN)  zol·pi·dem
N,N-Dimethyl-2-(6-methyl-2-p-tolyldiazoo[1,2-a]pyridin-3-yl)acetamide; C_{9}H_{12}N_{2}O_{3}; 82626-48-0
*Zolpidem Tartrate
Non-benzodiazepine hypnotic

Zomepirac (rINN)  zö·me·pi·rak
5-(4-Chlorobenzoyl)-1,4-dimethylpyrrol-2-ylactic acid; C_{15}H_{14}ClNO_{3}; 33369-31-2
Zomepirac Sodium 64092-48-4
Cyclo-oxygenase inhibitor; analgesic; anti-inflammatory

Zonazepam (rINN)  zö·ni·por·id
N-Carbamimidoyl-5-cyclopropyl-1-(quinolin-5-yl)-1H-pyrazole-4-carboxamide; C_{17}H_{16}N_{6}O; 241800-98-6
Na^{+}/H^{+} antiport inhibitor

Zonisamide (rINN)  zo·ni·sa·mid
1-(1,2-Benzoxazol-3-yl)methanesulfonamide; C_{15}H_{15}N_{2}O_{3}S; 68291-97-4
Hypnotic

Zopiclone (rINN)  zo·pi·klön
(R,S)-6-(5-Chloro-2-pyridyl)-6,7-dihydro-7-oxo-5H-pyrrolo[3,4-b]pyrazin-5-yl 4-methylpiperazine-1-carboxylate; C_{17}H_{17}ClN_{6}O_{3}; 43200-80-2
Non-benzodiazepine hypnotic

and enantiomer
Zopolrestat (rINN) zö·pol·re·stat
3,4-Dihydro-4-oxo-3-[5-trifluoromethyl-1,3-benzothiazol-2-ylmethyl]phthalazin-1-ylacetic acid; C_{19}H_{12}F_{3}N_{3}O_{3}S; 110703-94-1
Aldose reductase inhibitor; treatment of diabetes

Zotepine (rINN) zö·te·pën
[2-(8-Chlorodibenzo[b,f]thiepin-10-yloxy)ethyl]dimethylamine; C_{18}H_{18}ClNOS; 26615-21-4
Dopamine D_{2} receptor antagonist; Serotonin 5HT_{2} receptor antagonist; antipsychotic

Zoticasone (rINN) zö·ti·ka·sön
S-[(R)-2-Oxotetrahydro-3-furyl] 6α,9α-difluoro-11β,17α-dihydroxy-16α-methyl-3-oxoandrost-1,4-diene-17β-carbothioate; C_{25}H_{30}F_{2}O_{6}S
Zoticasone Propionate 192056-77-2
Glucocorticoid; treatment of allergic rhinitis

Zoxazolamine (rINN) see Appendix C

Zuclopenthixol (rINN) zoo·klö·pen·thiks·ol
(Z)-2-[4-[3-(2-Chloro-10H-dibenzo[b,e]thiin-10-ylidene)-1-propyl]piperazin-1-yl]ethanol; Z-clopenthixol; C_{22}H_{25}ClN_{2}OS; 53772-83-1
• Zuclopenthixol Acetate 85721-05-7
• Zuclopenthixol Decanoate 64053-00-5
• Zuclopenthixol Hydrochloride 633-59-0
Dopamine receptor antagonist; antipsychotic

The symbol ‘¬’ in systematic chemical names signifies line continuation
Names for Combinations of Substances

In the prescribing and dispensing of compounded preparations containing two active ingredients, and for which the following names are provided, the nominal amounts of the components per unit dose or per single-dose container are indicated, where necessary, in the form \( x/y \) where \( x \) and \( y \) are the respective amounts in milligrams of the components in the order implied in the name. For oral liquid preparations a unit dose is taken as 5 millilitres. For parenteral preparations \( x \) and \( y \) are the nominal amounts in milligrams of the components in the container.

Examples

Tablets containing 5 mg of amiloride hydrochloride and 50 mg of hydrochlorothiazide are described as co-amilozide 5/50 tablets.

An oral suspension containing 125 mg of amoxycillin trihydrate and 31 mg of clavulanic acid (as the potassium salt) in 5 ml is described as co-amoxiclav 125/31 oral suspension; an injection containing 500 mg and 100 mg respectively in 10 ml is described as co-amoxiclav 500/100 injection.

- **Co-amilofruse** kö-a mi lő-früs
  Amiloride hydrochloride and furosemide in the proportions, by weight, 1 part to 8 parts respectively. 
  *Potassium-sparing diuretic + loop diuretic*

- **Co-amilozide** kö-a-mi-lő-zid
  Amiloride hydrochloride and hydrochlorothiazide in the proportions, by weight, 1 part to 10 parts respectively.
  *Potassium-sparing diuretic + thiazide diuretic*

- **Co-amoxiclav** kö-a-noks-ık-lav
  Amoxicillin (as the trihydrate or as the sodium salt) and clavulanic acid (as potassium clavulanate); the proportions are expressed in the form \( x/y \) where \( x \) and \( y \) are the strength in milligrams of amoxicillin and clavulanic acid respectively.
  *Penicillin antibacterial + beta-lactamase inhibitor*

- **Co-beneldopa** kö-ben-el dő-pa
  Benserazide (as the hydrochloride) and levodopa in the proportions, by weight, 1 part to 4 parts respectively.
  *Dopa decarboxylase inhibitor + dopamine precursor; treatment of Parkinson’s disease*

- **Co-careldopa** kö-ka-rel dő-pa
  Carbidopa and levodopa; the proportions are expressed in the form \( x/y \), where \( x \) and \( y \) are the strengths in milligrams of carbidopa and levodopa respectively.
  *Dopa decarboxylase inhibitor + dopamine precursor; treatment of Parkinson’s disease*

- **Co-codamol** kö-kö-da-mol
  Codeine phosphate and paracetamol; the proportions are expressed in the form \( x/y \) where \( x \) and \( y \) are the strengths in milligrams of codeine phosphate and paracetamol respectively.
  *Opioid analgesic + analgesic; antipyretic*

- **Co-codaprin** kö-kö-da-prin
  Codeine phosphate and aspirin in the proportions, by weight, 1 part to 50 parts respectively.
  *Opioid analgesic + antipyretic; analgesic; anti-inflammatory*

- **Co-cyprindiol** kö-sï-prin dï-ol
  Cyproterone acetate and ethinylestradiol in the proportions by weight, 2000 parts to 35 parts respectively.
  *Treatment of acne*

- **Co-danthramer** kö-dan-thra-mer
  Dantron and poloxamer 188; the proportions are expressed in the form \( x/y \), where \( x \) and \( y \) are the strengths in milligrams of dantron and poloxamer respectively.
  *Stimulant laxative*

- **Co-danthrusate** kö-dan-throo-sät
  Dantron and docusate sodium in the proportions by weight, 5 parts to 6 parts respectively.
  *Stimulant laxative*

- **Co-dydramol** kö-dï-dra-mol
  Dihydrocodeine tartrate and paracetamol in the proportions, by weight, 1 part to 50 parts respectively.
  *Opioid analgesic + analgesic; antipyretic*

- **Co-fluampicil** kö-flou-am pi sil
  Flucloxacillin and ampicillin in equal proportions by weight.
  *Penicillin antibacterial*
Co-flumactone kö-flouˈmækˌtôn
Hydroflumethiazide and spironolactone in equal proportions by weight.
*Thiazide diuretic + potassium-sparing diuretic*

Co-magaldrox kö-maˈgalˌdros
Magnesium hydroxide and aluminium hydroxide; the proportions are expressed in the form \(x/y\) where \(x\) and \(y\) are the strength in milligrams per unit dose of magnesium hydroxide and aluminium hydroxide respectively.
*Antacid*

Co-methiamol kö-meˈθiˌaˌmol
DL-Methionine and paracetamol; the proportions are expressed in the form \(x/y\) where \(x\) and \(y\) are the strength in milligrams of DL-methionine and paracetamol respectively.
*Antidote to paracetamol poisoning + analgesic; antipyretic*

Co-phenotrope kö-feˌnȯˌtrōp
Diphenoxylate hydrochloride and atropine sulfate in the proportions, by weight, 100 parts to 1 part respectively.
*Treatment of diarrhoea*

Co-prenozide kö-preˌnōˌzīd
Oxtprenolol hydrochloride and cyclopentiazide in the proportions, by weight, 640 parts to 1 part respectively.
*Beta-adrenoceptor antagonist + thiazide diuretic*

● Co-proxamol kö-proksˌaˌmol
Dextropropoxyphene hydrochloride and paracetamol in the proportions, by weight, 1 part to 10 parts respectively.
*Opioid analgesic + analgesic; antipyretic*

Co-simalcite kö-sīˌmālˌsit
Activated dimeticone and hydrotalcite; the proportions are expressed in the form \(x/y\), where \(x\) and \(y\) are the strengths in milligrams of activated dimeticone and hydrotalcite respectively.
*Treatment of diarrhoea*

● Co-tenidone kö-teˌnīˈdōn
Atenolol and chlortalidone in the proportions, by weight, 4 parts to 1 part respectively.
*Beta-adrenoceptor antagonist + thiazide-like diuretic*

Co-tetroxazine kö-teˌtrokˌəˌzēn
Tetroxoprim and sulfadiazine in the proportions, by weight, 2 parts to 5 parts respectively.
*Dihydrofolate reductase inhibitor + sulfonamide antibacterial*

● Co-triamterzide kö-trıˌamˌterˌzīd
Triamterene and hydrochlorothiazide in the proportions, by weight, 2 parts to 1 part respectively.
*Potassium-sparing diuretic + thiazide diuretic*

Co-trifamole kö-trīˌfämˈəˌmōl
Trimethoprim and sulfamoxole in the proportions, by weight, 1 part to 5 parts respectively.
*Dihydrofolate reductase inhibitor + sulfonamide antibacterial*

● Co-trimazine kö-trīˌmaˌzēn
Trimethoprim and sulfadiazine in the proportions, by weight; 1 part to 5 parts respectively.
*Dihydrofolate reductase inhibitor + sulfonamide antibacterial*

● Co-trimoxazole kö-trīˈmoksˌəˌzōl
Trimethoprim and sulfamethoxazole in the proportions, by weight, 1 part to 5 parts respectively.
*Dihydrofolate reductase inhibitor + sulfonamide antibacterial*

Co-zidocept kö-zĭˈdōˌkapt
Hydrochlorothiazide and captopril in the proportions, by weight, 1 part to 2 parts respectively.
*Loop diuretic + angiotensin converting enzyme inhibitor*
Names for Ions and Groups

Some substances for which British Approved Names have been established may be used in the form of salts or esters. The ions or groups involved may be of complex composition and it is then inconvenient to refer to them in systematic chemical nomenclature. Shorter nonproprietary names for some such ions and groups have been devised or selected, and they are recommended for use with British Approved Names.

<table>
<thead>
<tr>
<th>Recommended Name</th>
<th>Recommended Pronunciation</th>
<th>Chemical Name</th>
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<td>acetonide</td>
<td>a·se·to·nïd</td>
<td>isopropylidene ether of a dihydric alcohol</td>
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<td>aceturate</td>
<td>a·se·tûr·rät</td>
<td>N-acetylglucinicate</td>
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<td>amsonate</td>
<td>am·so·nat</td>
<td>4,4´-diaminostilbene-2,2´-disulfonate</td>
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<td>1-acetoxyethyl</td>
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<td>be·si·lät</td>
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<td>β-cyclopentylpropionate</td>
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<td>trimethylacetate</td>
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<td>pi·voks·il</td>
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<td>sodium 7-[methyl(2-sulfonatomethyl)carbamoyl]heptanoyl</td>
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<td>të·ô·klät</td>
<td>8-chlorotheophyllinate</td>
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<td>triphenylacetate</td>
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<td>troks·un·dät</td>
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<tr>
<td>xinafoate</td>
<td>zi·na·fö·ät</td>
<td>1-hydroxy-2-naphthoate</td>
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</table>

General information, along with a list of Ions and Groups, utilised by WHO through the international non proprietary name programme can be found at www.who.int/medicines/services/inn/en/
Appendix A: Structures

These notes are provided as a guide to the semi-systematic chemical nomenclature of certain groups of natural and semi-synthetic products. The following literature should be consulted for further information.


**Stereochemistry**

*(Nomenclature of Organic Chemistry, Section E)*

**Natural products and related compounds**

*(Nomenclature of Organic Chemistry, Section F)*

**Abbreviations and Symbols**

**Amino acids, peptides, peptide hormones and immunoglobulins**

**Steroids**

**Tetrapyrroles**

**Carotenoids and tocopherols**

**Carbohydrates and cyclitols**

**Vitamins**

A **Aminoglycoside Antibiotics**

A.1 The aminoglycoside antibiotics are conveniently named by reference to 2-α-deoxystreptamine, 1, in which name the configuration and numbering shown are implicit.

![Structure of 2-α-deoxystreptamine](image)

A.2 The aminoglycoside antibiotics commonly carry glycosyl radicals on the oxygen atoms attached to C-4 and C-6. The configuration and numbering shown in 1 should be strictly observed if confusion is to be avoided.

A.3 When one glycosyl radical is linked to another the names are separated by two locants which indicate the respective positions involved in this glycosidic union; these locants are enclosed in parentheses and separated by an arrow (pointing from the locant corresponding to the glycosyl carbon atom to the locant corresponding to the hydroxylic carbon atom involved).
B Cephalosporin Antibiotics

B.1 The cephalosporin antibiotics are conveniently named by reference to either cephalosporanic acid (2, R = CH₂OAc, X = H) or cephem-4-carboxylic acid (2, R = X = H).

B.2 When names are based on cephalosporanic acid or cephem-4-carboxylic acid the traditional numbering shown in 2 is used.

B.3 Cephalosporanic acid is systematically named as (6R)-3-acetoxymethyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid. Compounds that are named systematically use the numbering and orientation shown in 3.

B.4 The cephalosporin antibiotics are usually 7-acylaminocephalosporanic acid derivatives in which the configuration at position 7 is R.

C Ergot Alkaloids

C.1 Members of the ergoline group of substances are conveniently named by reference to either ergoline itself, 4, or to (8R)-lysergamide, 5. When names are based on ergoline the traditional numbering shown in 4 is used. In 9,10-dihydro compounds the configuration at position-10 needs to be specified.

C.2 Members of the ergotamine group of substances are conveniently named by reference to ergotaman, 6. Ergotamine itself is (5′R)-5′-benzyl-12′-hydroxy-2′-methylergotaman-3′,6′,18-trione.

D Morphines

D.1 Members of the morphine and codeine group of substances have traditionally been named with reference to morphine itself, 7, using the numbering shown. However, names may be based more conveniently on either morphinan, 8, or ent-morphinan, 9.

D.2 Morphine, 7, is (5R,6S)-4,5-epoxy-17-methyl-7,8-didehydromorphinan-3,6-diol.

D.3 In certain morphine derivatives, an etheno or ethano bridge is present joining positions 6 and 14 and a hydroxyalkyl side chain is present at position 7.
E  Penicillin Antibiotics

E.1 The penicillin antibiotics are conveniently named by reference to penicillanic acid (10, \(X = H\)) when the classical numbering shown is used.

E.2 Penicillanic acid is systematically named as \((2S,5R)-3,3\text{-dimethyl}-7\text{-oxo-4-thia-1-azabicyclo[3.2.0]}\text{heptane-2-carboxylic acid}\). Compounds that are named systematically use the numbering shown in 11.

E.3 The penicillin antibiotics are usually 6-acylamino penicillanic acid derivatives in which the configuration at position 6 is \(R\).

F  Polypeptides

F.1 The following 3-letter and 1-letter symbols for amino-acids, authorised by the IUPAC-IUB Joint Commission on Biochemical Nomenclature, are used for representing the sequences of polypeptides:

<table>
<thead>
<tr>
<th>Alanine</th>
<th>Ala</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arginine</td>
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<td>R</td>
</tr>
<tr>
<td>Asparagine</td>
<td>Asn</td>
<td>N</td>
</tr>
<tr>
<td>Aspartic Acid</td>
<td>Asp</td>
<td>D</td>
</tr>
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<td>Cysteine</td>
<td>Cys</td>
<td>C</td>
</tr>
<tr>
<td>Glutamine</td>
<td>Gln</td>
<td>Q</td>
</tr>
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<td>G</td>
</tr>
<tr>
<td>Histidine</td>
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<td>H</td>
</tr>
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<td>Ile</td>
<td>I</td>
</tr>
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<td>Leucine</td>
<td>Leu</td>
<td>L</td>
</tr>
<tr>
<td>Lysine</td>
<td>Lys</td>
<td>K</td>
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<td>Methionine</td>
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<td>M</td>
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<td>Phenylalanine</td>
<td>Phe</td>
<td>F</td>
</tr>
<tr>
<td>Proline</td>
<td>Pro</td>
<td>P</td>
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<tr>
<td>Serine</td>
<td>Ser</td>
<td>S</td>
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<td>Threonine</td>
<td>Thr</td>
<td>T</td>
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<td>Tryptophan</td>
<td>Trp</td>
<td>W</td>
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<tr>
<td>Tyrosine</td>
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<td>Y</td>
</tr>
<tr>
<td>Valine</td>
<td>Val</td>
<td>V</td>
</tr>
</tbody>
</table>

F.2 The following symbols recommended by the Joint Commission are also used:

| 2-Aminohexanoic acid | Ahx |
| Sarcosine           | Sar |
| Pyroglyutamic acid  | <Glu |
| tert-Butoxycarbonyl | Boc |

F.3 When interpreting 3-letter sequences of amino-acid residues, the hyphen should be considered as part of the symbol. Its use to separate the individual residues or radicals may be illustrated by the following example:

\[
\begin{align*}
\text{Gly} &= \text{NH}_2\text{CH}_2\text{COOH} \\
\text{Gly-} &= \text{NH}_2\text{CH}_2\text{CO-} \\
\text{-Gly} &= \text{-NH CH}_2\text{COOH} \\
\text{-Gly-} &= \text{-NH CH}_2\text{CO-}
\end{align*}
\]

and thus,

\[
\text{Gly-Gly-Gly} = \text{NH}_2\text{CH}_2\text{CO-NH CH}_2\text{CO-NH CH}_2\text{COOH}
\]

The residues are conventionally written with the amino group to the left and the carboxyl group to the right. This is implicit in the symbolism.

F.4 Where peptide sequences are shown using 3-letter symbols all amino-acids except glycine have the \(l\)-configuration unless otherwise indicated.
G Prostaglandins

G.1 Members of the prostaglandin group of substances are conveniently named by reference to prostanoic acid, 12, using the numbering shown. Prostanoic acid may be systematically named as 7-[(1S,2S)-2-octylcyclopentyl]heptanoic acid. Dinoprost, 13, may therefore be named as (5Z,9S,11R,13E,15S)-9,11,15-trihydroxyprosta-5,13-dienoic acid.

![Diagram of prostaglandins](image1)

G.2 A convenient semi-trivial nomenclature exists by which prostaglandins (PG) are classified into groups A to F according to the substitution pattern in the cyclopentane ring (shown below). The subscript numerals 1, 2 and 3 refer to the number of double bonds found in the side-chains and subscript $\alpha$ refers to the configuration of the C-9 hydroxy group. Thus, 13 is referred to as PGF$_{2\alpha}$.

![Diagram of prostaglandin groups](image2)

H Steroids

H.1 Steroids are drawn and numbered, and the rings lettered, as shown in 14.

![Diagram of steroids](image3)

H.2 Steroids are named with reference to certain basic carbocycles some of which are defined in Table 1. When so drawn, dotted bonds are regarded as lying below the plane of the paper and are designated $\alpha$, thickened bonds are regarded as lying above the plane of the paper and are designated $\beta$ and bonds of unknown configuration are shown by a wavy line and are designated $\xi$.

<table>
<thead>
<tr>
<th></th>
<th>$R_1$</th>
<th>$R_2$</th>
<th>$R_3$</th>
</tr>
</thead>
<tbody>
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<td>H</td>
<td>H</td>
<td>H</td>
</tr>
<tr>
<td>Estrane</td>
<td>H</td>
<td>Me</td>
<td>H</td>
</tr>
<tr>
<td>Androstan</td>
<td>Me</td>
<td>Me</td>
<td>H</td>
</tr>
<tr>
<td>Pregnane</td>
<td>Me</td>
<td>Me</td>
<td>Et</td>
</tr>
</tbody>
</table>
H.3 When the hydrogen atom at C-5 is present, its configuration is always specified, eg 5α-pregnane, 5β-androstan. The configuration at centres, 8,9,10,13,14 and 17 is assumed to be as shown in 15 unless otherwise specified.

H.4 When inversion of the normal configuration occurs, the positions concerned are specified; and thus 16 is named 5β,17α-pregnane.

H.5 When inversion occurs at all of the defined asymmetric centres, the original name is preceded by the italicised prefix ent-. Racemates are indicated by use of the italicised prefix rac-.

H.6 Further fundamental carbocycles are defined in table II:

<table>
<thead>
<tr>
<th>Side-chain</th>
<th>Carbon positions present</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cholane</td>
<td>20 - 24</td>
</tr>
<tr>
<td>Cholestane</td>
<td>20 - 27</td>
</tr>
<tr>
<td>Ergostane</td>
<td>20 - 27, 24</td>
</tr>
</tbody>
</table>

In addition to retaining the configuration shown in 15, C-20 has an R-configuration in each carbocycle and C-24 in ergostane has an S-configuration. However, additional substituents at positions C-17, C-20, C-21 may alter the R and S propriety descriptions without any change at C-20.

H.7 A large number of therapeutically active steroids bear a carbonyl group at position 3 and unsaturation across positions 5 and 5. Ring A is often aromatic in estrogens.

J Tetracyclines

J.1 The tetracycline antibiotics are conveniently named by reference to tetracycline itself, 17, (R = H), which may be defined as (4S,4aS,5aS,6S,12aS)-4-dimethylamino-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydotetracene-2-carboxamide.

J.2 When analogues of tetracycline are named the stereodescriptors R and S may be subject to change even though the steric configuration usually remains unchanged. For example, in oxytetracycline, the hydroxyl group at position 5 imposes assignment inversions at positions 4a and 5a from S to R although the steric configuration at these positions remains unchanged.

J.3 When fully systematic names based on tetracene-2-carboxamide are used, the stereodescriptors given in Table III should be used.
K. Members of the tropane group of substances are conveniently named by references to tropane itself, 18, when the numbering and orientation shown are used. Tropane is defined as \( N\)-methyl-8-azabicyclo[3.2.1]octane.

K.2 Atropine, 19, is \((1R,3r,5S,8r)\)-tropan-3-yl \((RS)\)-tropate where the term tropate represents 3-hydroxy-2-phenylpropionate.

K.3 In the \((-\) -series the tropoyl side-chain has the \((S)\) configuration, 20.

K.4 In \(\psi\)-tropane compounds, 21, the configuration at position-3 is designated as ‘3s’.

K.5 In hyoscine and other atropine derivatives bearing a 6,7-epoxy bridge, the configuration is as shown in 22.

M. Xanthines

Members of the xanthine group of substances are conveniently named by references to purine, 23, when the non-systematic numbering shown is used.
Appendix B:

Guidelines for the Construction of Pharmaceutical Trademarks

These guidelines are concerned with the following aspects:
1. Undesirable features in trade marks.
2. The qualification of trade marks by detached words, letters and numerals.
3. The relationship between trade marks and non proprietary names.

Guidelines

1. 1.1 A trade mark should not be liable to confusion in print, in handwriting or in speech with a trade mark of an existing product.
1.2 A trade mark should not consist wholly of initial letters (other than acronyms) or code numbers.
1.3 A trade mark should not convey misleading therapeutic or pharmaceutical connotations.
1.4 Variations of a trade mark consisting of a single word within a range of related products should not be so small as to cause confusion.
1.5 A trade mark of a discontinued product consisting of a single active ingredient should not be reassigned to a product containing a different single active ingredient.

2. 2.1 Indication of the strength of a product by words such as ‘Forte’ and ‘Strong’ in the trade mark should be avoided.
2.2 Unnecessary qualification of a trade mark by letters should generally be avoided.
2.3 Qualification of a trade mark by a detached Roman numeral should generally be avoided.
2.4 Qualification of a trade mark by numbers should be avoided.
2.5 With the exception of oral contraceptive and insulin products, numbers when used to qualify a trade mark should indicate the strength of the active ingredient.

3. 3.1 A trade mark should not be liable to confusion in handwriting, in print or in speech with an established non-proprietary name.
3.2 Resolution 46.19 passed at the 1993 World Health Assembly requires that a trade mark should not incorporate a ‘common stem’ that has been adopted and published by the World Health Organization. The Resolution also discourages the use of trade marks derived from International Nonproprietary Names. These requirements should be observed.
Appendix C:

British Approved Names Assigned to Discontinued or Not Actively Marketed Products.

The following list indicates British Approved Names assigned to compounds that were abandoned during development or are no longer commercially available in the UK.

<table>
<thead>
<tr>
<th>Molecular Formula</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetarsol</td>
<td>C₈H₁₀AsNO₅</td>
</tr>
<tr>
<td>Acetorphine</td>
<td>C₂₇H₃₅NO₅</td>
</tr>
<tr>
<td>Actaplanin</td>
<td>N/A</td>
</tr>
<tr>
<td>Aclarubicin</td>
<td>C₄₂H₅₃NO₁₅</td>
</tr>
<tr>
<td>Adicillin</td>
<td>C₁₄H₂₁N₃O₆S</td>
</tr>
<tr>
<td>Alefacept</td>
<td>N/A</td>
</tr>
<tr>
<td>Alletorphine</td>
<td>C₂₇H₃₅NO₄</td>
</tr>
<tr>
<td>Allyestrol</td>
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</tr>
<tr>
<td>Allylproidine</td>
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</tr>
<tr>
<td>Almasilate</td>
<td>Al₃O₇·MgO₂·SiO₂·H₂O</td>
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<tr>
<td>Alphaprodine</td>
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<tr>
<td>Alpidem</td>
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</tr>
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<tr>
<td>Amodiaquine</td>
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</tr>
<tr>
<td>Amphomycin</td>
<td>N/A</td>
</tr>
<tr>
<td>Anrinone</td>
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<tr>
<td>Aminopterin Sodium</td>
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</tr>
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<td>Angiotensinamide</td>
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<td>Anistreplase</td>
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<td>Antilymphocyte Immunoglobulin</td>
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<td>Azlocillin</td>
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## Appendix D: Differences between British Approved Names and other National Approved Names for Pharmaceutical Substances

### Japanese Accepted Name (JAN)

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### United States Adopted Name (USAN)

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# Appendix E: Approved Synonyms

The text below is Appendix XXI B as published in the British Pharmacopoeia 2017. It is reproduced in the British Approved Names for the convenience of users.

## BP Appendix XXI B: Approved Synonyms

Where the English title at the head of a monograph in the European Pharmacopoeia is different from that at the head of the text incorporated into the British Pharmacopoeia or the British Pharmacopoeia (Veterinary), an Approved Synonym (or Approved Synonyms) is created on the recommendation of the British Pharmacopoeia Commission.

In accordance with the General Notice on Titles, the name or names given in the right-hand column of the list below are Approved Synonyms for the name at the head of the monograph of the European Pharmacopoeia given in the left-hand column. Where there is more than one entry in the right-hand column, the first entry is used as the title of the monograph in the British Pharmacopoeia or the British Pharmacopoeia (Veterinary) and the remaining entries are included as subsidiary titles.

Approved Synonyms and subsidiary titles have the same significance as the main title and are thus official titles.

Names made by changing the order of the words in an Approved Synonym, with the addition of a preposition when necessary, are also Approved Synonyms.

Where square brackets are used in a title these may be replaced by round brackets, and vice versa.

The words ‘per cent’ may be replaced by the symbol ‘%’.

Where the word ‘Injection’ appears in the title or synonym of a monograph in the European Pharmacopoeia, the abbreviation ‘Inj.’ is declared to be an Approved Synonym for that part of the title.

Monographs included in the British Pharmacopoeia (Veterinary) are identified by means of a superscript number:1.

### Medicinal Substances and Formulated Preparations

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<td>Glauber’s Salt</td>
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<td>Spectinomycin Sulfate Tetrahydrate for Veterinary Use</td>
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<td>Talc</td>
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<td>Theophylline—Ethylenediamine</td>
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### European Pharmacopoeia

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<td>Thiopental Sodium and Sodium Carbonate</td>
<td>Thiopental Sodium</td>
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<td>Tiamulin for Veterinary Use</td>
<td>Tiamulin</td>
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<td>Tiamulin Hydrogen Fumarate for Veterinary Use</td>
<td>Tiamulin Hydrogen Fumarate1</td>
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<td>Triclabendazole for Veterinary Use</td>
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<td>Triethanolamine</td>
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<td>Trolamine</td>
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<td>Tylosin for Veterinary Use</td>
<td>Tylosin Phosphate1</td>
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<td>Tylosin Phosphate Bulk Solution for Veterinary Use</td>
<td>Tylosin Tartrate1</td>
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<td>Undecylenic Acid</td>
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<td>Valnemulin Hydrochloride for Veterinary Use</td>
<td>Valnemulin Hydrochloride1</td>
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<td>Vedaprofen for Veterinary Use</td>
<td>Vedaprofen1</td>
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<td>Synthetic Retinol Concentrate (Oily Form)</td>
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<td>Synthetic Retinol Concentrate (Powder Form)</td>
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<td>Synthetic Retinol Concentrate (Water-dispersible Form)</td>
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### Herbal Drugs

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<td>Scutellariae Baicalensis Root</td>
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<td>Standardised Belladonna Leaf Tincture</td>
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<td>Dried Bilberry Fruit</td>
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<td>Caraway Fruit</td>
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<td>Roman Chamomile Flower</td>
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<td>Narrow-leaved Coneflower Root</td>
<td>Echinacea Angustifolia Root</td>
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<td>Echinacea Pallida Root</td>
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<td>Purple Coneflower Herb</td>
<td>Echinacea Purpurea Herb</td>
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<td>Purple Coneflower Root</td>
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<td>Devil’s Claw Root</td>
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<td>Harpagophytum</td>
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<td>Equisetum Stem</td>
<td>Stephania Tetrandra Root</td>
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<td>Fourstamen Stephania Root</td>
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<td>Orange Tincture</td>
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<td>Wild Pansies (Flowering Aerial Parts)</td>
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European Pharmacopoeia Title
Ribwort Plantain
Pygeum Africanum Bark
Sage Leaf (Salvia officinalis)
Clary Sage Oil
Sanguisorba Root
Common Selfheal Fruit-spike
Alexandrian Senna Pods
Tinnevelly Senna Pods
Valerian Root
Cut Valerian Root

Approved Synonym
Plantain
Pygeum Bark
Sage Leaf
Sage Oil
Greater Burnet Root
Selfheal Fruit-Spike
Alexandrian Senna Fruit
Tinnevelly Senna Fruit
Valerian
Cut Valerian

Homoeopathic Preparations

European Pharmacopoeia Title
Arsenicum Album for Homoeopathic Preparations
Aurum Chloratum Natronatum for Homoeopathic Preparations
Barium Chloratum for Homoeopathic Preparations
Cadmium Sulfuricum for Homoeopathic Preparations
Calcium Iodatum for Homoeopathic Preparations
Cocculus for Homoeopathic Preparations
Cuprum Aceticum for Homoeopathic Preparations
Cuprum Metallicum for Homoeopathic Preparations
Ferrum Metallicum for Homoeopathic Preparations
Kalium Bichromicum for Homoeopathic Preparations
Magnesium Phosphoricum for Homoeopathic Preparations

Approved Synonym
Arsenious Trioxide for Homoeopathic Preparations
Sodium Tetrachloroauroate Dihydrate for Homoeopathic Preparations
Barium Chloride Dihydrate for Homoeopathic Preparations
Cadmium Sulfate Hydrate for Homoeopathic Preparations
Calcium Iodide Tetrahydrate for Homoeopathic Preparations
Cocculus Indicus for Homoeopathic Preparations
Copper Acetate Monohydrate for Homoeopathic Preparations
Copper for Homoeopathic Preparations
Copper for Homoeopathic Use
Iron for Homoeopathic Preparations
Iron for Homoeopathic Use
Potassium Dichromate for Homoeopathic Preparations
Magnesium Phosphate for Homoeopathic Preparations

Blood-related Products

European Pharmacopoeia Title
Anticoagulant and Preservative Solutions for Human Blood
Human Albumin Solution
Human Albumin Solution
Human Albumin Solution
Human Anti-D Immunoglobulin
Human Anti-D Immunoglobulin for Intravenous Administration
Human Antithrombin III Concentrate
Human Coagulation Factor VII
Human Coagulation Factor VIIa (rDNA) Concentrated Solution
Human Coagulation Factor VIII
Human Coagulation Factor VIII (rDNA)
Human Coagulation Factor IX
Human Coagulation Factor IX (rDNA) Concentrated Solution
Human Coagulation Factor XI
Human Fibrinogen
Human Hepatitis A Immunoglobulin
Human Hepatitis B Immunoglobulin

Approved Synonym
Anticoagulant and Preservative Solutions for Blood
Albumin Solution
Albumin
Human Albumin
Anti-D (Rh0) Immunoglobulin
Anti-D Immunoglobulin for Intravenous Use
Antithrombin III Concentrate
Dried Factor VII Fraction
Factor VIIa (rDNA) Concentrated Solution
Dried Factor VIII Fraction
Dried Factor VIII (rDNA)
Dried Factor IX Fraction
Factor IX (rDNA) Concentrated Solution
Dried Factor XI Fraction
Dried Fibrinogen
Hepatitis A Immunoglobulin
Hepatitis B Immunoglobulin
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<td>Human Measles Immunoglobulin</td>
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<tr>
<td>Human Normal Immunoglobulin for Intramuscular Administration</td>
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<td>Normal Immunoglobulin Injection</td>
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<td>Human Normal Immunoglobulin for Subcutaneous Administration</td>
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<td>Normal Immunoglobulin for Intravenous Use</td>
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<td>Human Plasma for Fractionation</td>
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<td>Human Plasma (Pooled and Treated for Virus Inactivation)</td>
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<td>Human Prothrombin Complex</td>
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<td>Human Rabies Immunoglobulin</td>
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<td>Human Rubella Immunoglobulin</td>
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<tr>
<td>Human Tetanus Immunoglobulin</td>
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<td>Human Varicella Immunoglobulin</td>
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<td>Human von Willebrand Factor</td>
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**Immunological Products (Human)**

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<td>Bacillus Calmette-Guérin Vaccine</td>
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<td>BCG Vaccine, Freeze-dried</td>
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<td>Adsorbed Diphtheria and Tetanus Vaccine (Acellular Component) Vaccine</td>
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<tr>
<td>Diphtheria, Tetanus and Pertussis (Acellular Component) (Adsorbed)</td>
<td>Adsorbed Diphtheria, Tetanus and Pertussis (Acellular Component) Vaccine</td>
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<td>Diphtheria, Tetanus, Pertussis (Acellular Component) and Haemophilus Type b Conjugate Vaccine (Adsorbed)</td>
<td>Adsorbed Diphtheria, Tetanus, Pertussis (Acellular Component) and Haemophilus Type b Conjugate Vaccine</td>
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<tr>
<td>Diphtheria, Tetanus, Pertussis (Acellular Component) and Hepatitis B (rDNA) Vaccine (Adsorbed)</td>
<td>Adsorbed Diphtheria, Tetanus, Pertussis (Acellular Component) and Hepatitis B (rDNA) Vaccine</td>
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<td>Diphtheria, Tetanus, Pertussis (Acellular Component) and Poliomyelitis (Inactivated) Vaccine (Adsorbed)</td>
<td>Adsorbed Diphtheria, Tetanus, Pertussis (Acellular Component) and Inactivated Poliomyelitis Vaccine</td>
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<td>Hepatitis A (Inactivated) and Hepatitis B (rDNA) Vaccine (Adsorbed)</td>
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<td>Influenza Vaccine (Surface Antigen, Inactivated)</td>
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<tr>
<td>Measles, Mumps and Rubella Vaccine (Live)</td>
<td>Measles, Mumps and Rubella Vaccine, Live</td>
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### European Pharmacopoeia Title

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<td>Adsorbed Pertussis Vaccine (Acellular Component)</td>
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<td>Pertussis Vaccine (Acellular, Co-purified, Adsorbed)</td>
<td>Adsorbed Pertussis Vaccine (Acellular, Co-purified)</td>
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<td>Poliomyelitis Vaccine (Inactivated)</td>
<td>Inactivated Poliomyelitis Vaccine</td>
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<td>Poliomyelitis Vaccine (Oral)</td>
<td>Poliomyelitis Vaccine, Live (Oral)</td>
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<td>Tetanus Antitoxin for Human Use</td>
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<td>Tetanus Vaccine (Adsorbed)</td>
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<td>Yellow Fever Vaccine (Live)</td>
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### Immunological Products (Veterinary)

**Monographs included in the British Pharmacopoeia (Veterinary)**

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<td>Anthrax Vaccine, Living</td>
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<td>Aujeszky’s Disease Vaccine (Live) for Pigs for Parenteral Administration</td>
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<tr>
<td>Avian Infectious Bronchitis Vaccine (Live)</td>
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<tr>
<td>Avian Infectious Bursal Disease Vaccine (Inactivated)</td>
<td>Infectious Bursal Disease Vaccine, Inactivated</td>
</tr>
<tr>
<td>Avian Infectious Bursal Disease Vaccine (Live)</td>
<td>Gumboro Disease Vaccine, Inactivated</td>
</tr>
<tr>
<td>Avian Infectious Bursal Disease Vaccine (Live)</td>
<td>Infectious Bursal Disease Vaccine, Living</td>
</tr>
<tr>
<td>Avian Infectious Encephalomyelitis Vaccine (Live)</td>
<td>Gumboro Disease Vaccine, Living</td>
</tr>
<tr>
<td>Avian Infectious Encephalomyelitis Vaccine (Live)</td>
<td>Infectious Avian Encephalomyelitis Vaccine, Living</td>
</tr>
<tr>
<td>Avian Infectious Laryngotracheitis Vaccine (Live)</td>
<td>Laryngotracheitis Vaccine, Living</td>
</tr>
<tr>
<td>Avian Paramyxovirus 3 Vaccine (Inactivated) for Turkeys</td>
<td>Avian Paramyxovirus 3 Vaccine for Turkeys, Inactivated</td>
</tr>
<tr>
<td>Bovine Parainfluenza Virus Vaccine (Live)</td>
<td>Bovine Parainfluenza Virus Vaccine, Living</td>
</tr>
<tr>
<td>Bovine Respiratory Syncytial Virus Vaccine (Live)</td>
<td>Bovine Respiratory Syncytial Virus Vaccine, Living</td>
</tr>
<tr>
<td>Infectious Bovine Rhinotracheitis Vaccine (Live)</td>
<td>Infectious Bovine Rhinotracheitis Vaccine, Living</td>
</tr>
<tr>
<td>Brucellosis Vaccine (Live) (Brucella Melitensis Rev. 1 Strain) for Veterinary Use</td>
<td>Brucella Melitensis (Strain Rev. 1) Vaccine, Living</td>
</tr>
<tr>
<td>Canine Adenovirus Vaccine (Inactivated)</td>
<td>Canine Adenovirus Vaccine, Inactivated</td>
</tr>
<tr>
<td>Canine Adenovirus Vaccine (Live)</td>
<td>Canine Adenovirus Vaccine, Living</td>
</tr>
<tr>
<td>Canine Distemper Vaccine (Live)</td>
<td>Canine Distemper Vaccine, Living</td>
</tr>
<tr>
<td>Canine Parvovirusis Vaccine (Inactivated)</td>
<td>Canine Parvovirus Vaccine, Inactivated</td>
</tr>
<tr>
<td>Canine Parvovirusis Vaccine (Live)</td>
<td>Canine Parvovirus Vaccine, Living</td>
</tr>
<tr>
<td>Clostridium Botulinum Vaccine for Veterinary Use</td>
<td>Clostridium Botulinum Vaccine</td>
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<tr>
<td>Clostridium Botulinum Vaccine for Veterinary Use</td>
<td>Botulinum Vaccine</td>
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<tr>
<td>Clostridium Chauvoei Vaccine for Veterinary Use</td>
<td>Clostridium Chauvoei Vaccine</td>
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<td>Clostridium Chauvoei Vaccine for Veterinary Use</td>
<td>Blackleg Vaccine</td>
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<tr>
<td>Clostridium Novyi (Type B) Vaccine for Veterinary Use</td>
<td>Clostridium Novyi Type B Vaccine</td>
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<tr>
<td>Clostridium Novyi (Type B) Vaccine for Veterinary Use</td>
<td>Black Disease Vaccine</td>
</tr>
<tr>
<td>Clostridium Perfringens Vaccine for Veterinary Use Type B</td>
<td>Clostridium Perfringens Vaccines</td>
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<tr>
<td>Clostridium Perfringens Vaccine for Veterinary Use Type B</td>
<td>Clostridium Perfringens Type B Vaccine</td>
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<tr>
<td>Clostridium Perfringens Vaccine for Veterinary Use Type B</td>
<td>Lamb Dysentery Vaccine</td>
</tr>
<tr>
<td>Clostridium Perfringens Vaccine for Veterinary Use Type C</td>
<td>Clostridium Perfringens Type C Vaccine</td>
</tr>
</tbody>
</table>
European Pharmacopoeia Title

- Clostridium Perfringens Vaccine for Veterinary Use Type C
- Clostridium Perfringens Vaccine for Veterinary Use Type D
- Clostridium Septicum Vaccine for Veterinary Use Type D
- Clostridium Septicum Vaccine for Veterinary Use
- Distemper Vaccine (Live) for Mustelids
- Egg Drop Syndrome '76 Vaccine (Inactivated)
- Equine Herpesvirus Vaccine (Inactivated)
- Equine Influenza Vaccine (Inactivated)
- Feline Calicivirus Vaccine (Inactivated)
- Feline Calicivirus Vaccine (Live)
- Feline Infectious Enteritis (Feline Panleucopenia) Vaccine (Inactivated)
- Feline Infectious Enteritis (Feline Panleucopenia) Vaccine (Live)
- Feline Leukaemia Vaccine (Inactivated)
- Feline Viral Rhinotracheitis Vaccine (Inactivated)
- Feline Viral Rhinotracheitis Vaccine (Live)
- Foot-and-Mouth Disease (Ruminants) Vaccine (Inactivated)
- Fowl-pox Vaccine (Live)
- Furunculosis Vaccine (Inactivated, Oil-adjuvanted, Injectable) for Salmonids
- Marek’s Disease Vaccine (Live)
- Marek’s Disease Vaccine (Injectable)
- Neonatal Piglet Colibacillosis Vaccine (Inactivated)
- Neonatal Piglet Colibacillosis Vaccine (Inactive)
- Neonatal Ruminant Colibacillosis Vaccine (Inactivated)
- Newcastle Disease Vaccine (Inactivated)
- Newcastle Disease Vaccine (Live)
- Porcine Actinobacillosis Vaccine (Inactivated)
- Porcine Influenza Vaccine (Inactivated)
- Porcine Parvovirus Vaccine (Inactivated)
- Porcine Progressive Atrophic Rhinitis Vaccine (Inactivated)
- Rabies Vaccine (Inactivated) for Veterinary Use
- Swine Erysipelatis Vaccine (Inactivated)
- Tetanus Antitoxin for Veterinary Use
- Tetanus Antitoxin for Veterinary Use
- Tetanus Vaccine for Veterinary Use
- Tetanus Vaccine for Veterinary Use
- Tetanus Vaccine for Veterinary Use

Approved Synonym

- Struck Vaccine
- Clostridium Perfringens Type D Vaccine
- Pulpy Kidney Vaccine
- Clostridium Septicum Vaccine
- Braxy Vaccine
- Ferret and Mink Distemper Vaccine, Living
- Egg Drop Syndrome 76 (Adenovirus) Vaccine
- Equine Herpesvirus Vaccine, Inactivated
- Equine Influenza Vaccine, Inactivated
- Feline Calicivirus Vaccine, Inactivated
- Feline Calicivirus Vaccine, Living
- Feline Infectious Enteritis Vaccine, Inactivated
- Feline Panleucopenia Vaccine, Inactivated
- Feline Panleucopenia Vaccine, Living
- Feline Panleucopenia Vaccine, Living
- Feline Leukaemia Vaccine, Inactivated
- Feline Viral Rhinotracheitis Vaccine, Inactivated
- Feline Viral Rhinotracheitis Vaccine, Living
- Foot and Mouth Disease (Ruminants) Vaccine
- Fowl Pox Vaccine, Living
- Marek’s Disease Vaccine, Inactivated
- Marek’s Disease Vaccine (Turkey Herpes Virus)
- Marek’s Disease Vaccine, Living (HVT)
- Porcine E. Coli Vaccine, Inactivated
- Porcine Escherichia Coli Vaccine, Inactivated
- Ruminant E. Coli Vaccine, Inactivated
- Ruminant Escherichia Coli Vaccine, Inactivated
- Newcastle Disease Vaccine, Inactivated
- Newcastle Disease Vaccine, Injected
- Porcine Actinobacillosis Vaccine, Inactivated
- Swine Influenza Vaccine, Inactivated
- Porcine Parvovirus Vaccine, Inactivated
- Porcine Progressive Atrophic Rhinitis Vaccine, Inactivated
- Rabies Vaccine, Inactivated
- Swine Erysipelatis Vaccine, Inactivated
- Clostridium Tetani Antitoxin
- Tetanus Antitoxin (Veterinary)
- Clostridium Tetani Vaccines
- Tetanus Toxoids (Veterinary)

The following titles may be used for vaccines with an appropriate potency:
- Clostridium Tetani Vaccine for Equidae
- Tetanus Toxoid for Equidae
### European Pharmacopoeia Title

<table>
<thead>
<tr>
<th>Approved Synonym</th>
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</thead>
<tbody>
<tr>
<td>Cold-water Vibriosis Vaccine for Salmonids, Inactivated</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>European Pharmacopoeia Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrisosia Vaccine (Inactivated) for Salmonids</td>
</tr>
<tr>
<td>Vibrisosia Vaccine for Salmonids, Inactivated</td>
</tr>
<tr>
<td>Yersiniosis Vaccine (Inactivated) for Salmonids</td>
</tr>
<tr>
<td>Enteric Redmouth Disease Vaccine for Rainbow Trout, Inactivated</td>
</tr>
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### Radiopharmaceutical Preparations

<table>
<thead>
<tr>
<th>European Pharmacopoeia Title</th>
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<tbody>
<tr>
<td>Human Albumin Injection, Iodinated (125I)</td>
</tr>
<tr>
<td>Fluorodopa (18F) (Prepared by Electrophilic Substitution) Injection</td>
</tr>
<tr>
<td>Technetium (99mTc) Human Albumin Injection</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Approved Synonym</th>
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<tbody>
<tr>
<td>Iodinated (125I) Albumin Injection</td>
</tr>
<tr>
<td>Fluorodopa (18F) Injection</td>
</tr>
<tr>
<td>Technetium (99mTc) Albumin Injection</td>
</tr>
</tbody>
</table>

### Substances used in Homoeopathy

When used in the practice of homoeopathy, certain substances that are the subject of a monograph in the European Pharmacopoeia have been known traditionally by a name other than that at the head of the Ph. Eur. monograph. The name or names given in the right-hand column of the list below are Approved Synonyms that may be used only in relation to homoeopathic preparations for the name at the head of a monograph in the European Pharmacopoeia given in the left-hand column.

<table>
<thead>
<tr>
<th>European Pharmacopoeia Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium Chloride</td>
</tr>
<tr>
<td>Atropine Sulfate</td>
</tr>
<tr>
<td>Caraway Fruit</td>
</tr>
<tr>
<td>Cascara</td>
</tr>
<tr>
<td>Cholesterol</td>
</tr>
<tr>
<td>Cinchona Bark</td>
</tr>
<tr>
<td>Cinnamon</td>
</tr>
<tr>
<td>Eucalyptus Leaf</td>
</tr>
<tr>
<td>Bitter Fennel</td>
</tr>
<tr>
<td>Lithium Carbonate</td>
</tr>
<tr>
<td>Magnesium Chloride Hexahydrate</td>
</tr>
<tr>
<td>Magnesium Sulfate</td>
</tr>
<tr>
<td>Mercuric Chloride</td>
</tr>
<tr>
<td>Mercuric Chloride</td>
</tr>
<tr>
<td>Potassium Chloride</td>
</tr>
<tr>
<td>Quinine Sulfate</td>
</tr>
<tr>
<td>Rhatany Root</td>
</tr>
<tr>
<td>Rhubarb</td>
</tr>
<tr>
<td>Senega Root</td>
</tr>
<tr>
<td>Silver Nitrate</td>
</tr>
<tr>
<td>Sodium Carbonate Monohydrate</td>
</tr>
<tr>
<td>Sodium Chloride</td>
</tr>
<tr>
<td>Anhydrous Sodium Sulfate</td>
</tr>
<tr>
<td>Valerian Root</td>
</tr>
<tr>
<td>Zinc Sulfate</td>
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<table>
<thead>
<tr>
<th>Approved Synonym for Homoeopathic use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium Muriaticum</td>
</tr>
<tr>
<td>Atropinum Sulfuricum</td>
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<tr>
<td>Carum Carvi</td>
</tr>
<tr>
<td>Cascara Sagrada</td>
</tr>
<tr>
<td>Cholesterinum</td>
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<tr>
<td>China</td>
</tr>
<tr>
<td>Cinnamomum</td>
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<tr>
<td>Eucalyptus</td>
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<tr>
<td>Foeniculum Vulgare</td>
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<tr>
<td>Lithium Carbonicum</td>
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<tr>
<td>Magnesium Muriaticum</td>
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<tr>
<td>Magnesium Sulfuricis</td>
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<tr>
<td>Mercurius Sublimatus Corrosivus</td>
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<tr>
<td>Mercurius Corrosivus</td>
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<tr>
<td>Kali Muriaticum</td>
</tr>
<tr>
<td>Chininum Sulfuricum</td>
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<tr>
<td>Ratanhia</td>
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<tr>
<td>Rheum Palatinum</td>
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<tr>
<td>Senega</td>
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<tr>
<td>Argentum Nitricum</td>
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<td>Natrium Muriaticum</td>
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<tr>
<td>Natrium Sulfuricum</td>
</tr>
<tr>
<td>Valeriana</td>
</tr>
<tr>
<td>Zincum Sulfuricum</td>
</tr>
</tbody>
</table>