



**BRITISH PHARMACOPOEIA CHEMICAL
REFERENCE SUBSTANCE
INFORMATION LEAFLET**

**TAMSULOSIN HYDROCHLORIDE IMPURITY STANDARD
CATALOGUE NUMBER 877
CURRENT BATCH: 4531**

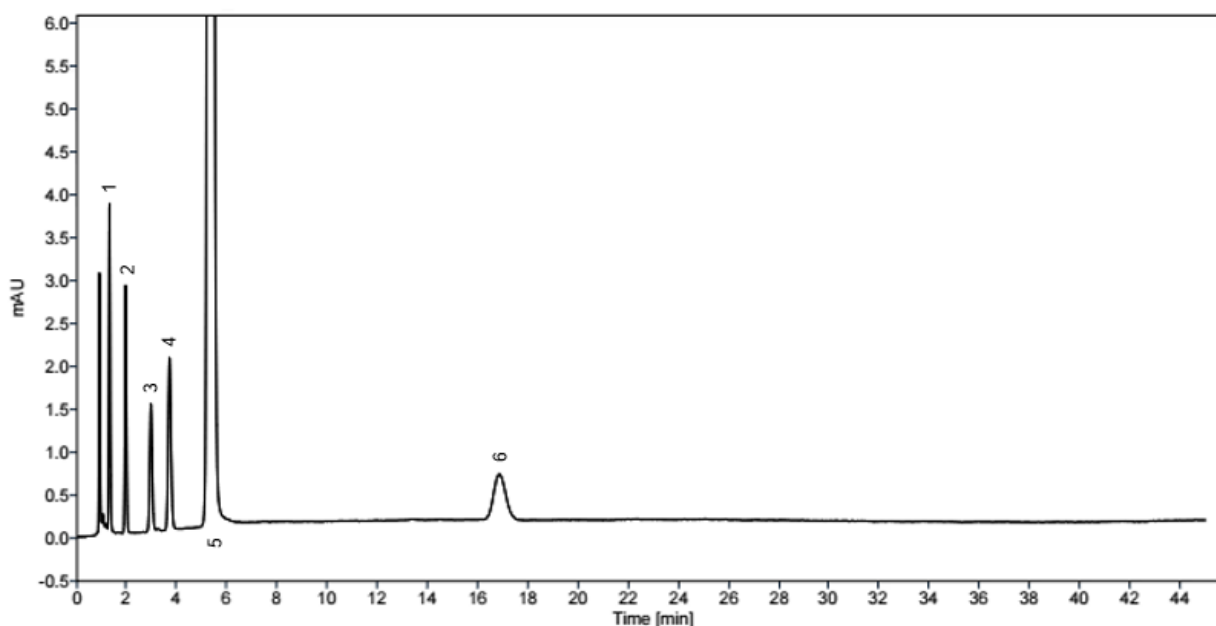
Declared Content

No declared content figure is given as the standard is not used for assay purposes.

Use

This British Pharmacopoeia Chemical Reference Substance (BPCRS) is to be used as directed in the monograph(s) of the British Pharmacopoeia and is not intended for any other purpose.

Reference Chromatogram(s)



British Pharmacopoeia Commission Secretariat

MHRA, 10 South Colonnade, Canary Wharf
London E14 4PU
United Kingdom



British Pharmacopoeia

British Pharmacopoeia Commission Laboratory

Queen's Road
Teddington, TW11 0LY
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www.pharmacopoeia.com

1. 5-[(2R)-2-aminopropyl]-2-methoxybenzenesulfonamide (Tamsulosin Impurity B)
2. 3-(3'-sulfonamide-4-methoxyphenyl)propan-2-one
3. 2-(phenylethylamino)-3-(3'-sulfonamide-4-methoxyphenyl)propane)
4. 2-methoxy-5-[(2R)-2-[[2-(2-methoxyphenoxy)ethyl]amino]propyl] benzenesulfonamide (Tamsulosin Impurity D)
5. Tamsulosin
6. (2R)-N-[2-(2-ethoxyphenoxy)ethyl]-1-(4-methoxyphenyl)propan-2-amine (Tamsulosin Impurity H)

Related Substances

Column: Phenomenex Luna C18 100Å, 5 µm (150 mm × 4.6 mm)

Mobile Phase: 300 volumes of acetonitrile mixed with 700 volumes of water containing 0.44% v/v perchloric acid and 0.15% w/v sodium hydroxide previously adjusted to pH 2.0 with 1 M sodium hydroxide.

Detection Wavelength: 225 nm

Flow rate: 1.5 ml/min

Column temperature: 40 °C

Injection Volume: 20 µl



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Additional Information

Note: a correction factor of 1.4 should be applied to calculate the content of 2-(phenylethylamino)-3-(3'-sulfonamide-4-methoxyphenyl)propane) in Prolonged-release Tamsulosin Capsules.

www.pharmacopoeia.com

For additional information on BPCRS please visit the British Pharmacopoeia website.

<https://www.pharmacopoeia.com>