

**BRITISH PHARMACOPOEIA CHEMICAL REFERENCE SUBSTANCE
INFORMATION LEAFLET**

**ADAPALENE IMPURITY STANDARD
CATALOGUE NUMBER 1121
CURRENT BATCH: 3732**

Declared Content

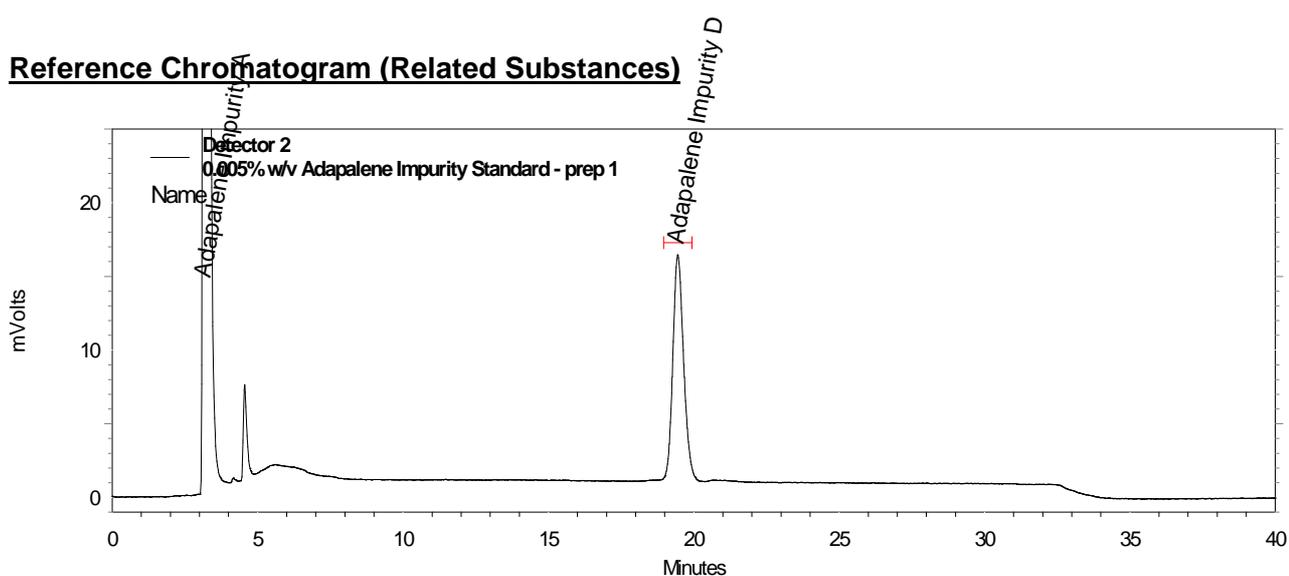
No declared content figure is given as the standard is not used for assay purposes.

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.

Note: In the test under Related Substances for **Adapalene Cream** and **Adapalene Gel** monographs, prepare solution 3 in a mixture of water and tetrahydrofuran (50:50) in place of solvent B.

Reference Chromatogram (Related Substances)



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Column: Supelcosil LC-18, 5 µm (250 x 4.6 mm)

Mobile Phase A: 0.2:100 (Trifluoroacetic acid : Water).

Mobile Phase B: 40:60 (Tetrahydrofuran : Acetonitrile)

Gradient Program:

Time	% Mobile Phase A	% Mobile Phase B
0	40	60
3	17	83
30	17	83
31	40	60
40	40	60

Diluent: Water : Tetrahydrofuran (50 : 50).

Detection: Fluorimetric Detection

Time	Excitation Wavelength (nm)	Emission Wavelength (nm)
0	260	380
11	260	347
30	260	347
31	260	380
40	260	380

Flow rate: 1.5 mL/min

Column temperature: 25 °C

Injection Volume: 10 µL

Additional Information

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

<https://www.pharmacopoeia.com>