



**BRITISH PHARMACOPOEIA CHEMICAL REFERENCE SUBSTANCE  
INFORMATION LEAFLET**

**LACIDIPINE IMPURITY STANDARD  
CATALOGUE NUMBER 647  
CURRENT BATCH: 3856**

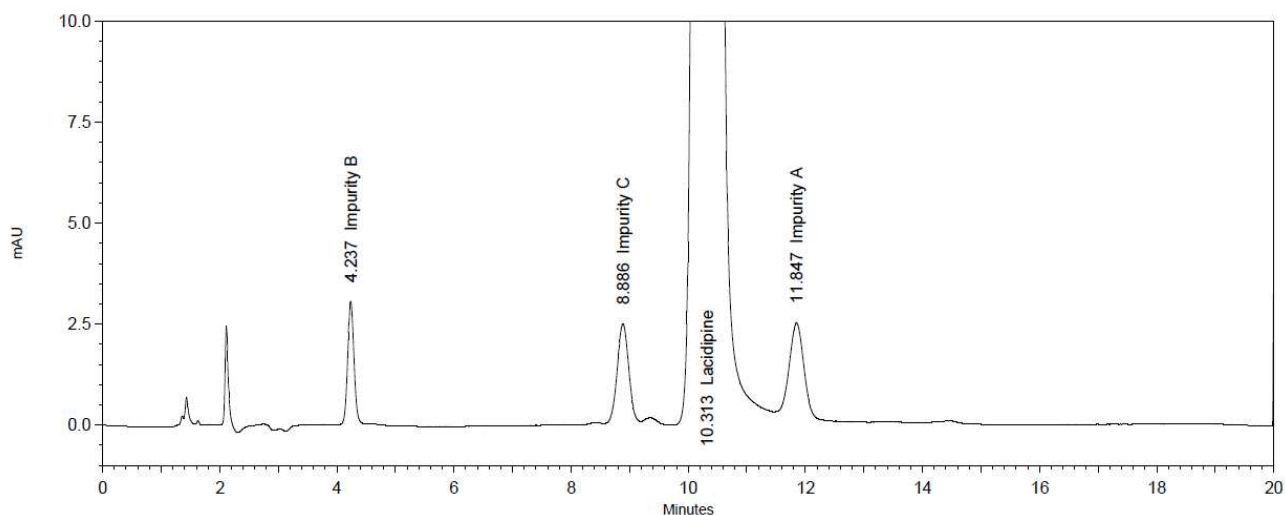
**Declared Content**

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**



**British Pharmacopoeia Commission Secretariat**

MHRA, 10 South Colonnade, Canary Wharf  
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United Kingdom



# British Pharmacopoeia

**British Pharmacopoeia Commission Laboratory**

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[www.pharmacopoeia.com](http://www.pharmacopoeia.com)

**Related substances**

**Column:** Spherisorb CN (250 mm x 4.6 mm, 5 µm)

**Mobile Phase:** 3 volumes of absolute ethanol and 97 volumes of n-hexane

**Flow Rate:** 2.0 mL/min

**Detection Wavelength:** 240 nm

**Elution Order:** Impurity B: Diethyl (*E*)-4-{2-[2-(*tert*-butoxycarbonyl)vinyl]phenyl}-2,6-dimethylpyridine-3,5-dicarboxylate (4.2 minutes)  
Impurity C: Diethyl (*Z*)-4-{2-[2-(*tert*-butoxycarbonyl)vinyl]phenyl}-1,4-dihydro-2,6-dimethylpyridine-3,5-dicarboxylate (8.8 minutes)  
Lacidipine (10.2 minutes)  
Impurity A: Ethyl methyl (*E*)-4-{2-[2-(*tert*-butoxycarbonyl)vinyl]phenyl}-1,4-dihydro-2,6-dimethylpyridine-3,5-dicarboxylate (11.7 minutes)

**Additional Information**

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

<https://www.pharmacopoeia.com>