



Antianginal drug in Serum - separation of Nifedipine - using a Purospher RP-18 column

Chromatography

Substance class : Antianginal

Matrix : Serum

Chromatographic conditions

Column : Purospher® RP-18 (5 µm, 125 x 4 mm) column (Cat. No. 1.50142)

Precolumn : LiChroCART® 4-4 LiChrospher® 100 RP-18 (5 µm) (Cat. No. 150957)

Mobile Phase : Methanol (LiChrosolv® Cat. No.1.06007)-10 mM aqueous trifluoroacetic acid, pH 7.3 (57 43, v/v)

Detection : UV detection at 238 nm. For toxicological analysis, Nif in the presence of other calcium-channel antagonist drugs was identified under

Sample : Nifedipine

Sample preparation

solid-phase extraction

Source

Kowalczyk, D.*Wawrzycka, M. B.Maj, A. HJournal of AOAC International , Jan 2006 , 89 (1), 71-77

Ordering Information

Product	Catalog No.
Methanol gradient grade for liquid chromatography LiChrosolv® Reag. Ph Eur	106007
Purospher® RP-18 (5 µm) LiChroCART® 125-4 HPLC cartridge	150142
LiChrospher® 100 RP-18 (5 µm) LiChroCART® 4-4 HPLC guard column	150957