

HPLC Application

ID No.: 23670

Ephedrine and Pseudoephedrine on Lux 3 μ m AMP 150x4.6mm

Column: Lux[®] 3 μ m AMP, LC Column 150 x 4.6 mm, Ea

Dimensions: 150 x 4.6 mm ID

Order No: 00F-4751-E0

Elution Type: Isocratic

Eluent A: 5mM Ammonium Bicarbonate [pH11]

Eluent B: Methanol

Eluent C: Acetonitrile

Eluent D: Isopropanol

Gradient

Step No.	Time (min)	Pct A	Pct B	Pct C	Pct D
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Profile:

1	0	65	20	10	5
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Flow Rate: 0.5 mL/min

Col. Temp.: ambient

Detection: UV-Vis Abs.-Variable Wave.(UV) @ 210 nm (ambient)

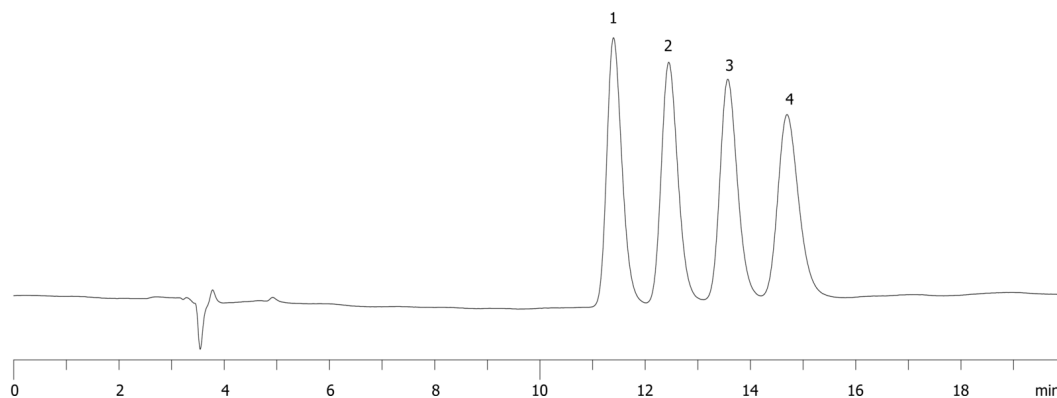
Analyst Note: Resolution = 1.92, 1.92, 1.72

Selectivity = 1.16, 1.15, 1.13

23670



Products used in this application:



ANALYTES:

1 1S,2R (+)-Ephedrine HCl

Retention Time: 11.39 min

2 1R,2S (-)-Ephedrine HCl

Retention Time: 12.44 min

3 R,R (-)-Pseudoephedrine

Retention Time: 13.58 min

4 S,S (+)-Pseudoephedrine

Retention Time: 14.69 min

