

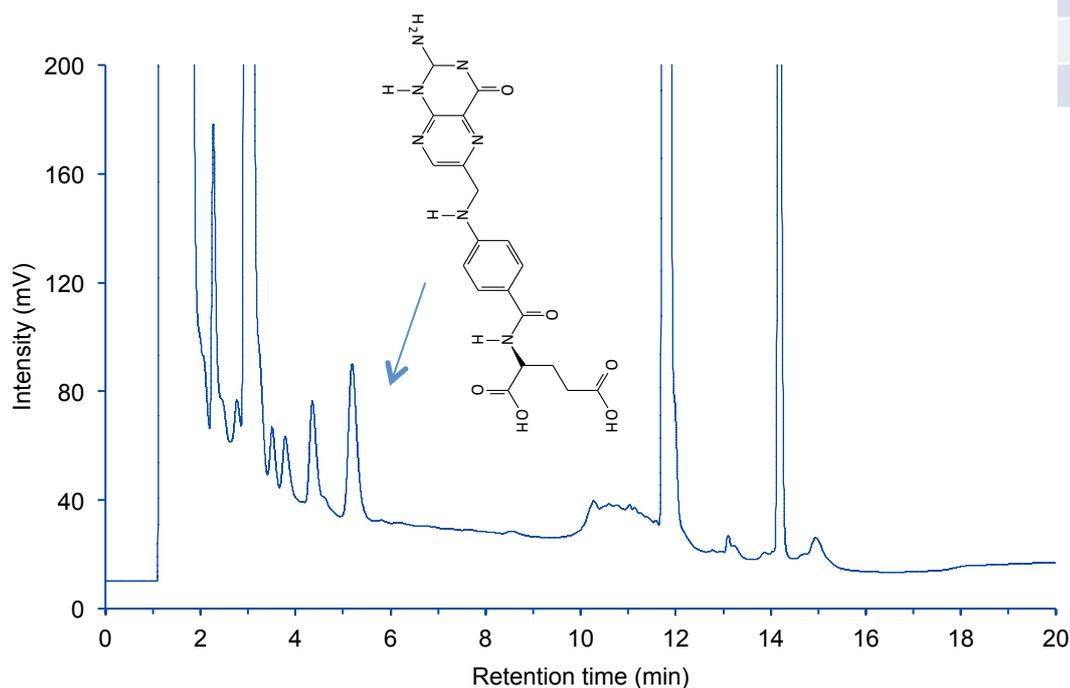
Folic Acid Syrup

Chromolith® HighResolution RP-18endcapped

Chromatographic Conditions

Column: Chromolith® HighResolution RP-18endcapped 100 x 4.6 mm (1.52022.0001)
 Injection: 10 µL
 Detection: Shimadzu 2010 CHT, UV 277 nm
 Cell: 10 µL
 Flow Rate: 1.0 mL/min
 Mobile Phase (v/v): A: Dissolve 1.5 g of hexane 1-sulfonate in 1000 ml water cont. 10 ml of glacial acetic acid.
 B: Acetonitrile
 Gradient Program: See Table
 Temperature: 30 °C
 Diluent: Dissolve 6.8 g of KH₂PO₄ in 1000 ml water. Adjust pH to 6.8 with 10% NaOH solution
 Standard: 10 ppm in diluent
 Sample: Pipette out 15 ml of syrup in 50 ml volumetric flask.
 Add diluent to make up the volume.
 Sonicate for 30 min. Filter through 0.2 µm filter prior to analysis
 Pressure Drop: 83 Bar (1203 psi)

Time (min)	% A	% B
0.0	92	8
7.0	92	8
12.0	50	50
15.0	92	8
20.0	92	8



Chromatographic Data

No.	Compound	Time (min)	T _{USP}	Theoretical Plate
1	Folic acid	5.2	1.2	4200