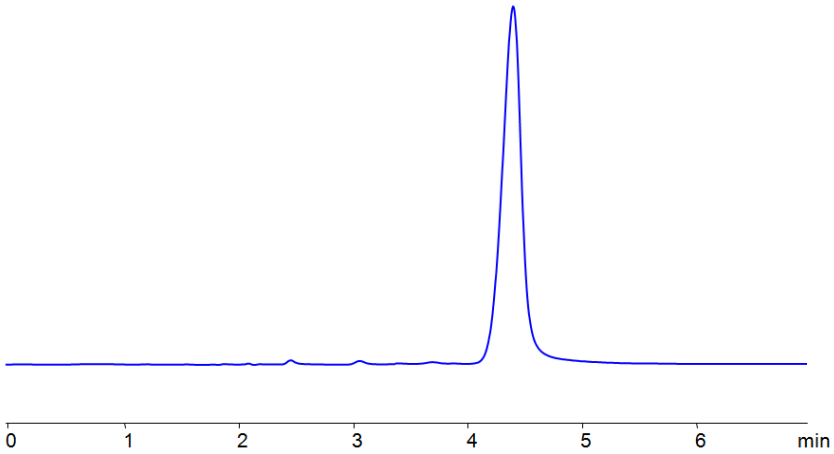
HPLC Determination of Folic Acid on Primesep 100 Column



Column:	Primesep 100
Column size:	4.6 × 150 mm, 5 µm
Mobile phase:	MeCN/H2O-20/80%
Buffer:	AmFm pH 3.0 – 10 mM
Flow rate:	1 mL/min
UV detection:	250 nm

High Performance Liquid Chromatography (HPLC) Method for Analysis of Folic Acid .

Folic acid is a synthetic form of folate, a B vitamin, that is used as in supplements and to fortify food. Folic acid can be retained using Primesep 100 mixed-mode column, which has both hydrophobic and ion exchange properties due to embedded acidic ion-pairing groups. The analytical method uses a mobile phase of acetonitrile (ACN) and water with ammonium formate (AmFm) buffer, making the method MS-compatible. Can also use UV detection at 250 nm.

Method Parameters

Column	Primesep 100
Mobile Phase	MeCN/H2O – 20/80%
Buffer	AmFm pH 3.0- 10 mM
Flow Rate	1.0 mL/min
Detection	UV, 250 nm

Quelle: https://sielc.com/hplc-determination-of-folic-acid

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