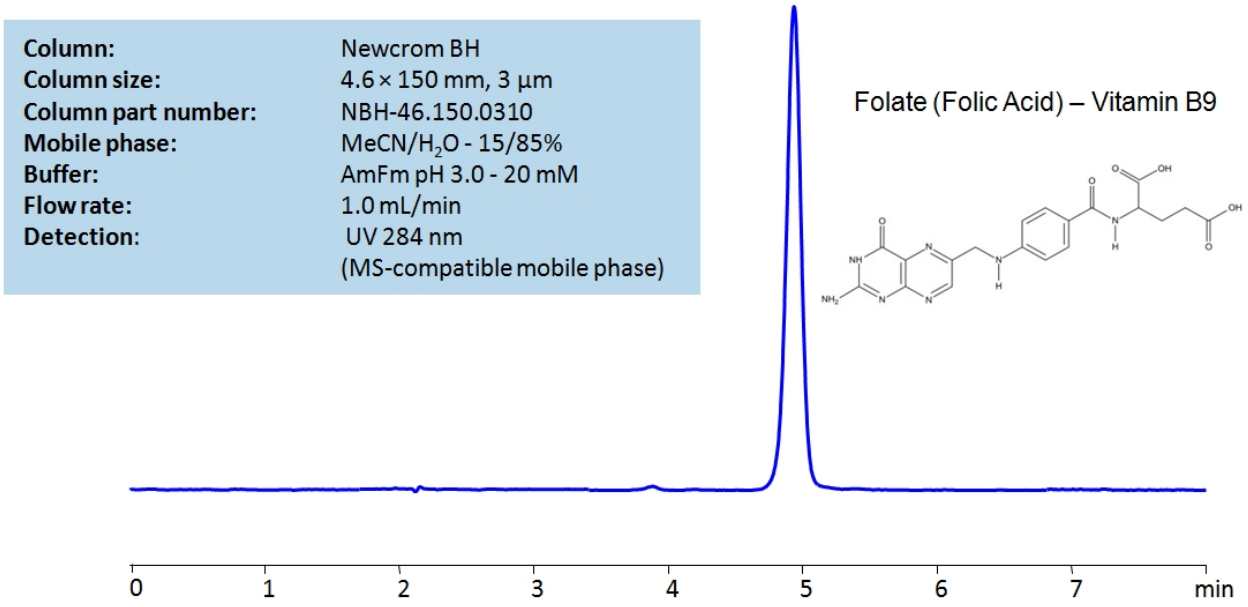
HPLC Determination of Folic Acid (Vitamin B9) on Newcrom BH Column



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

Folic Acid , also known as vitamin B9, folic acid is crucial for many functions in the body, including DNA synthesis and repair, cell division, and growth. As an essential vitamin, Folic acid must be obtained through diet or supplementation, as humans cannot synthesize it. Vitamin B-9 is a crucial prenatal vitamin. that also helps the body use iron properly. It has the chemical formula C19H19N7O6 . You can find detailed UV spectra of Folic Acid and information about its various lambda maxima by visiting the following link.

Folic acid can be retained in HPLC using a Newcrom BH mixed-mode column by using a mobile phase of acetonitrile (ACN) and water with Ammonium Formate (AmFm) as a buffer allowing the use of either UV or MS detector.

Method Parameters

Column	Newcrom BH, 4.6 x 150 mm, 3 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 15/85%
Buffer	AmFm – pH 3.0 – 20 mm
Flow Rate	1.0 mL/min
Detection	UV 284 nm

Quelle: https://sielc.com/hplc-determination-of-folic-acid-on-newcrom-bh-column

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