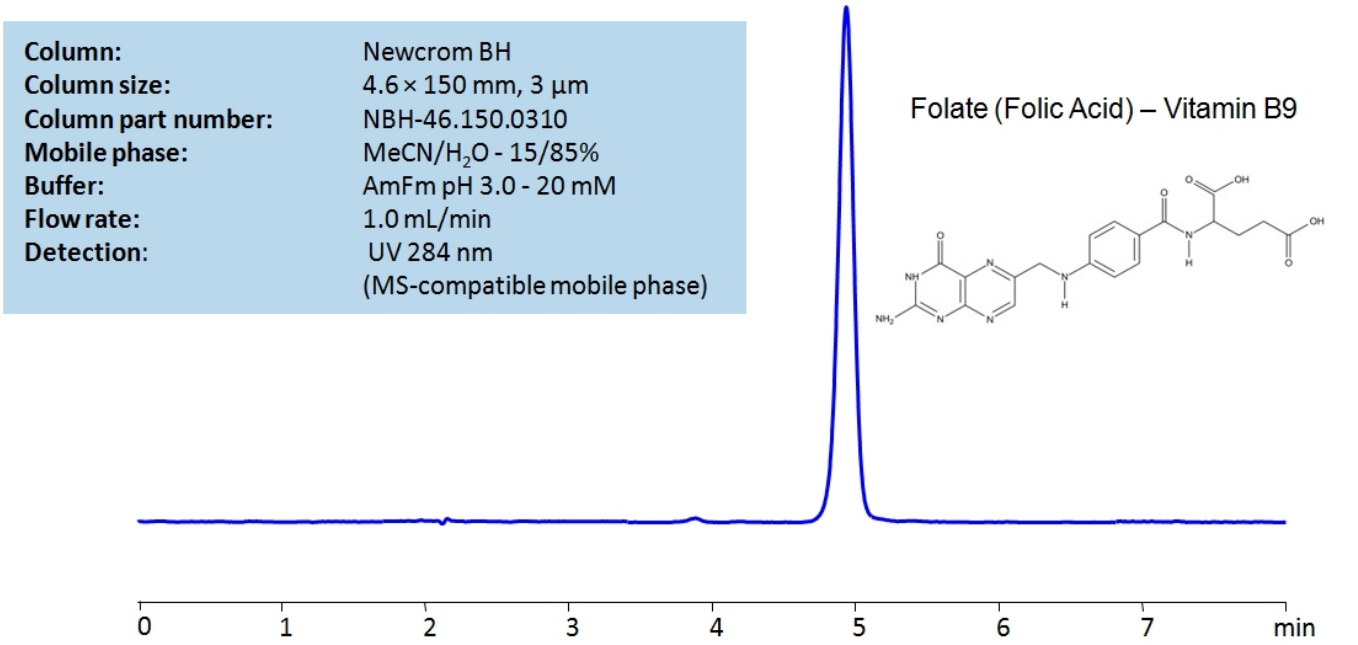
HPLC Determination of Folic Acid (Vitamin B9) on Newcrom BH Column

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

Chromatogram



Description

· 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 C 19 H 19 N 7 O 6 . 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

Mobile Phase	MeCN/H2O – 15/85%
Buffer	AmFm – pH 3.0 – 20 mm
Flow Rate	1.0 ml/min
Detection	UV 284 nm
Class of Compounds	Vitamin
Analyzing Compounds	Folic Acid

HPLC Column Used

Newcrom BH, 4.6 x 150 mm, 3 µm, 100 A, dual ended

Order this column at hplc-shop.de →