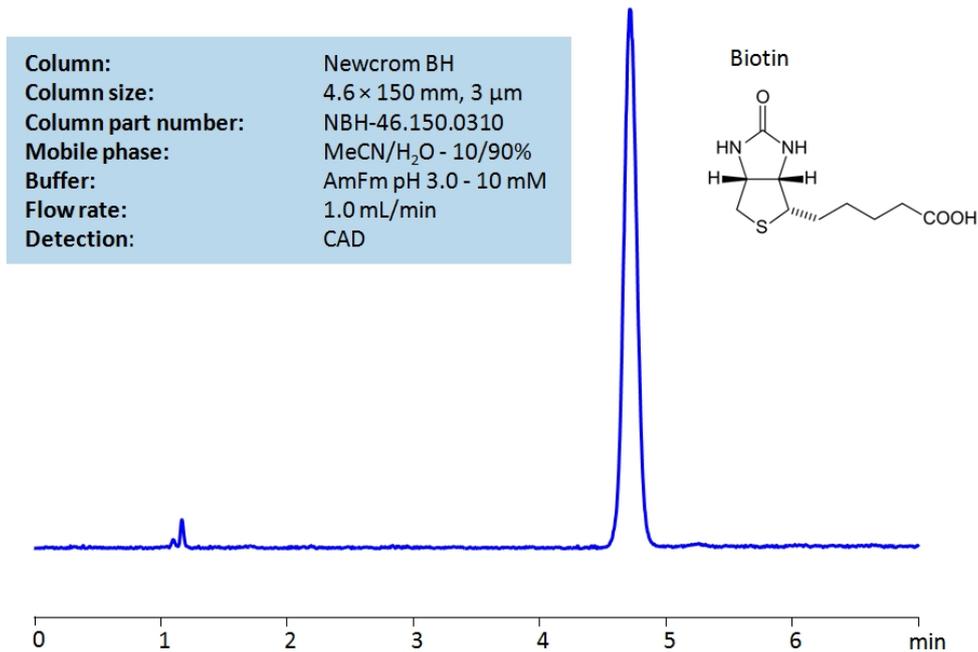


HPLC Determination of Biotin (Vitamin B7) on Newcrom BH Column



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

Biotin (Vitamin B7) is a water-soluble vitamin that helps the body breakdown key nutrients in order for it to absorb and utilize them. A lack of biotin can lead to hair loss, rash, and brittle nails. A healthy diet including eggs, milk, and bananas can supply the body with a healthy dose of biotin.

Using a Newcrom BH mixed-mode column and a mobile phase consisting of water and acetonitrile with an ammonium formate (AmFm) buffer, Vitamin B7 can be retained and measured. Vitamin B7 can be detected using charged aerosol detection (CAD) with high resolution.

Method Parameters

Column	Newcrom BH, 4.6 x 150 mm, 3 µm, 100 Å, dual ended
Mobile Phase	MeCN/H ₂ O – 10/90%
Buffer	AmFm – pH 3.0 – 10 mM
Flow Rate	1.0 mL/min
Detection	CAD

Quelle: <https://sielc.com/hplc-determination-of-biotin-on-newcrom-b-column>