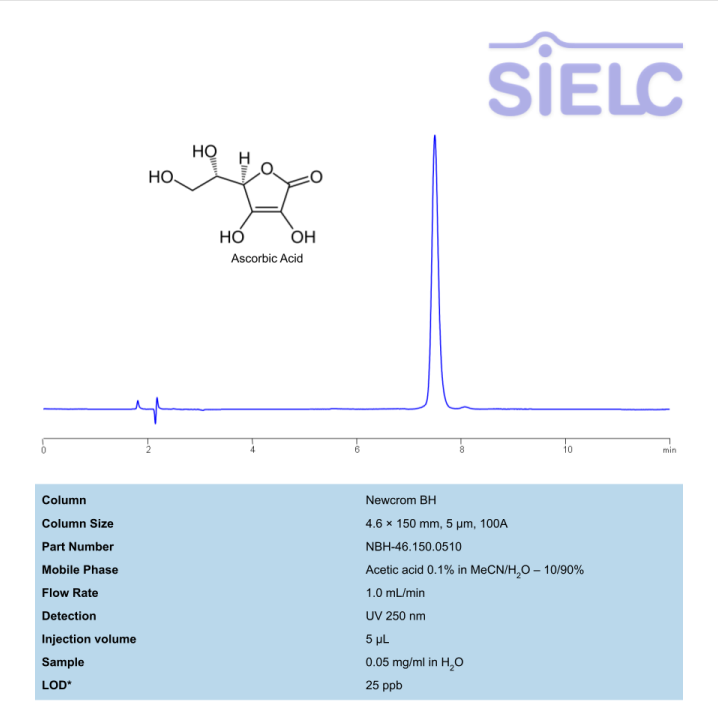
HPLC Method for Analysis of Ascorbic Acid on Newcrom BH Column



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

Ascorbic Acid is a vitamin with the molecular formula C6H8O6 . Typically, it is used to treat scurvy, support immune system, and preserve food. It is a white to light yellow powder that is easily dissolved in water. It can be found in a large variety of fruits and vegetables, especially in citrus.

Ascorbic Acid can be retained and analyzed using the Newcrom BH stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN). Detection is performed using UV.

Method Parameters

Column	Newcrom BH, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 10%
Buffer	Acetic Acid
Flow Rate	1.0 mL/min
Detection	UV 250

Quelle: https://sielc.com/hplc-method-for-analysis-of-ascorbic-acid-3

AugustaChrom - Dr. Roland Kießwetter
Tel.: +49 821 599 783 70
Fax: +49 821 599 783 71
E-Mail: info@hplc-shop.de