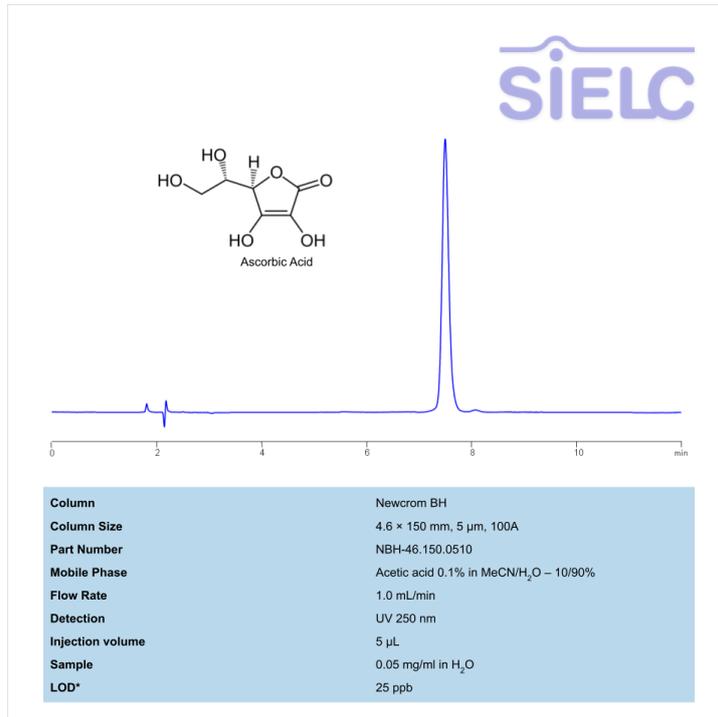


## HPLC Method for Analysis of Ascorbic Acid on Newcrom BH Column



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

Ascorbic Acid is a vitamin with the molecular formula C<sub>6</sub>H<sub>8</sub>O<sub>6</sub>. 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

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

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