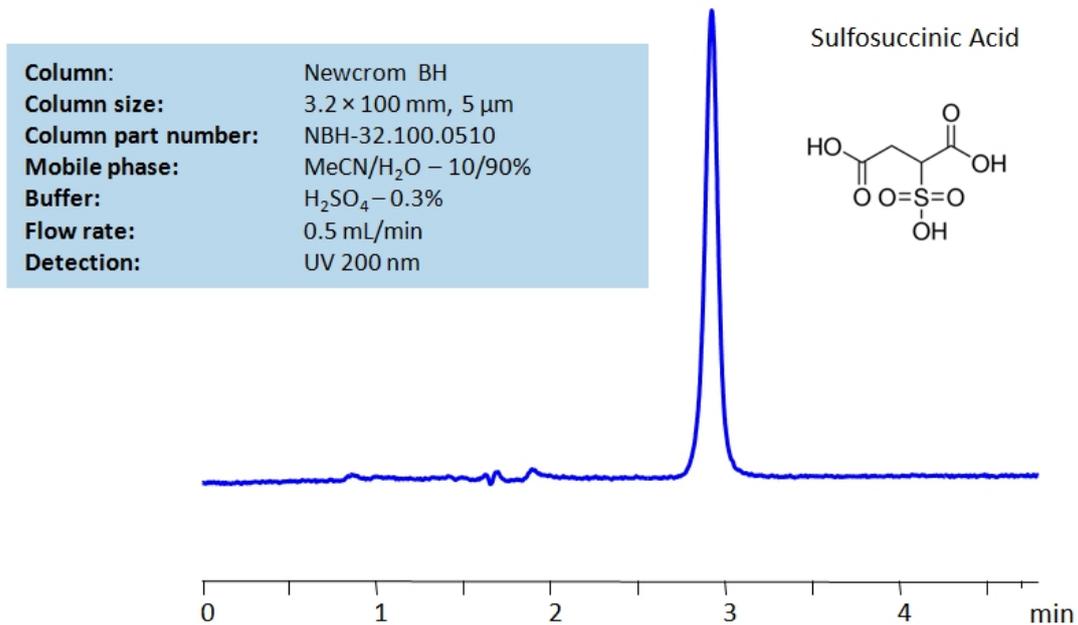


HPLC Determination of Sulfosuccinic Acid on Newcrom BH Column



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

Sulfosuccinic acid is a surfactant with the chemical formula C₄H₆O₇S. It is used as a dispersing agent in pesticides, herbicides, and pigments. In fertilizers, it is used as a complexing agent. It is also used to enhance solubility and bioavailability of drugs in oral dosages.

Sulfosuccinic acid can be retained on the Newcrom BH mixed-mode column using an isocratic analytical method with a simple mobile phase of water, acetonitrile (MeCN, ACN), and sulphuric acid (H₂SO₄) buffer. The analysis method can be UV detected at 200 nm.

Method Parameters

Column	Newcrom BH, 3.2 x 100 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H ₂ O -10/90%
Buffer	H ₂ SO ₄ – 0.3%
Flow Rate	0.5 mL/min
Detection	UV, 200 nm

Quelle: <https://sielc.com/hplc-determination-of-sulfosuccinic-acid>