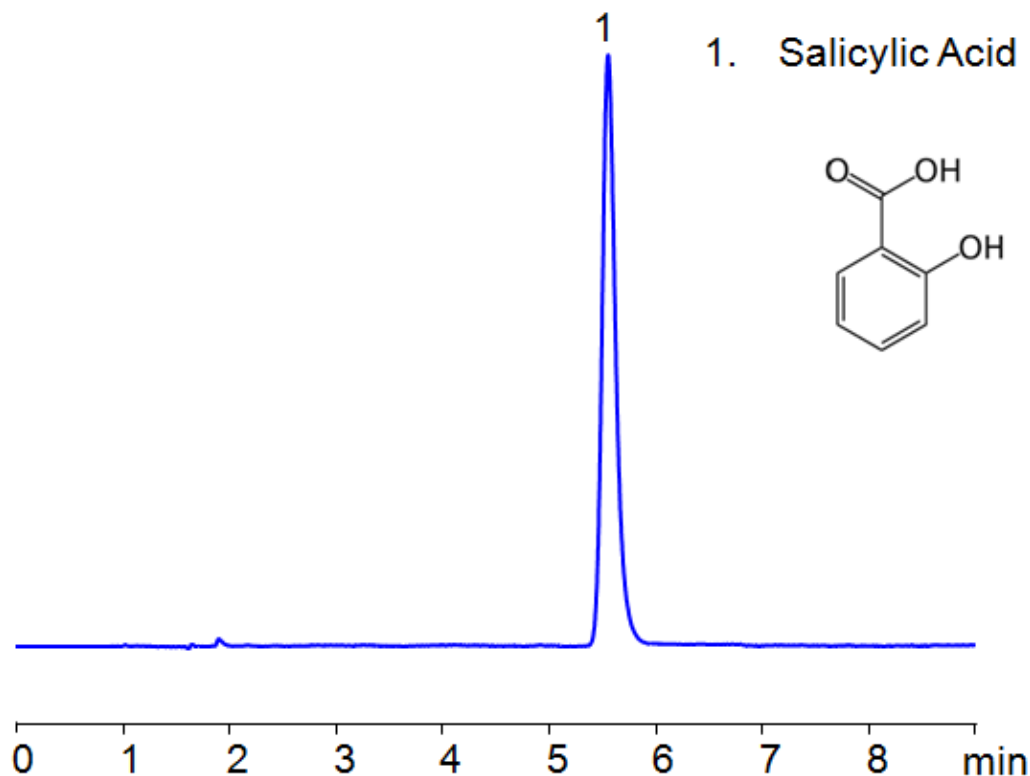


HPLC Method For Analysis Of Salicylic Acid on Newcrom BH Column

<https://sielc.com/hplc-method-for-analysis-of-salicylic-acid>

Chromatogram



Column:	Newcrom BH
Column size:	4.6 × 150 mm, 5 µm
Column part number:	NBH-46.150.0510
Mobile phase:	MeCN/H ₂ O – 40/60%
Buffer:	H ₃ PO ₄ – 0.5 %
Flow rate:	1.0 mL/min
Detection:	UV 200 nm

Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Salicylic acid .

Salicylic acid (SA) is an o-hydroxybenzoic acid, synthesized by both plants and microorganisms. SA acts as a critical plant hormone regulating various processes, including growth and development, flowering, thermogenesis, ion uptake, stomatal movement, photosynthesis, and plant immunity. Medically, Salicylic acid is used as a topical treatment for a wide variety of skin conditions. It has the chemical formula C₇H₆O₃ . You can find detailed UV spectra of Salicylic acid and information about its various lambda maxima by visiting the following link.

Salicylic 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) with a phosphoric acid buffer. Detection is performed using UV.

Method Parameters

Mobile Phase	MeCN – 40%
Buffer	H3PO4 – 0.5%
Flow Rate	1.0 ml/min
Detection	UV 200nm
Class of Compounds	Acid, Hydrophilic
Analyzing Compounds	Salicylic acid

HPLC Column Used

Newcrom BH, 4.6 x 150 mm, 5 µm, 100 A, dual ended

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)