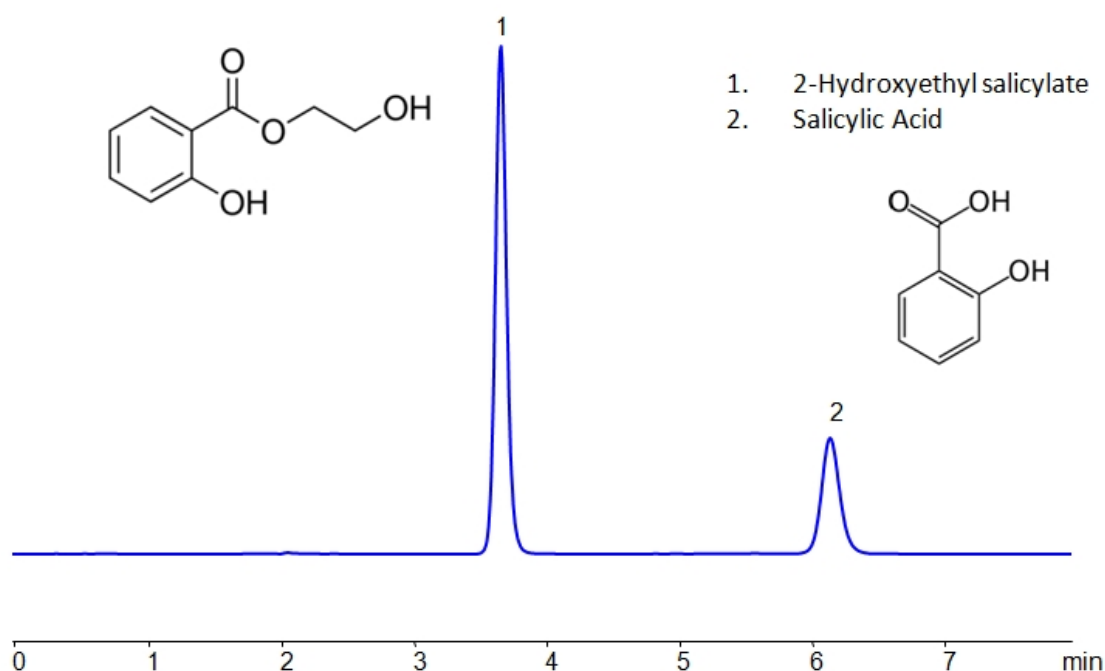


HPLC Separation of Mixture of 2-Hydroxyethyl Salicylate and Salicylic Acid on Primesep B Column

<https://sielc.com/hplc-separation-of-mixture-of-2-hydroxyethyl-salicylate-and-salicylic-acid>

Chromatogram



Column:	Primesep B
Column size:	4.6 × 150 mm, 5 µm
Mobile phase:	MeCN/H ₂ O – 25/75%
Buffer:	H ₂ SO ₄ – 0.5 %
Flow rate:	1 mL/min
UV detection:	238 nm

HPLC Separation of Mixture of 2-Hydroxyethyl Salicylate and Salicylic Acid_1182

Description

High Performance Liquid Chromatography (HPLC) Method for Analysis of 2-Hydroxyethyl salicylate , Salicylic acid

2-Hydroxyethyl salicylate is a drug used as analgesic agents for the treatment of mild to moderate pain.

2-Hydroxyethyl salicylate , Salicylic acid can be retained and analyzed using the Primesep B stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a sulfuric acid buffer. Detection is performed using UV.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 25/75%
Buffer	H ₂ SO ₄ – 0.5 %

Flow Rate	1.0 ml/min
Detection	UV, 238 nm
Class of Compounds	Acid, Hydrophilic, Ionizable, Carboxylic acid, Drug, Carbocyclic, Benzoate, Hydroxy Acid, Hydroxybenzoate, Phenol
Analyzing Compounds	2-Hydroxyethyl salicylate, Salicylic acid

HPLC Column Used

Primesep B

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