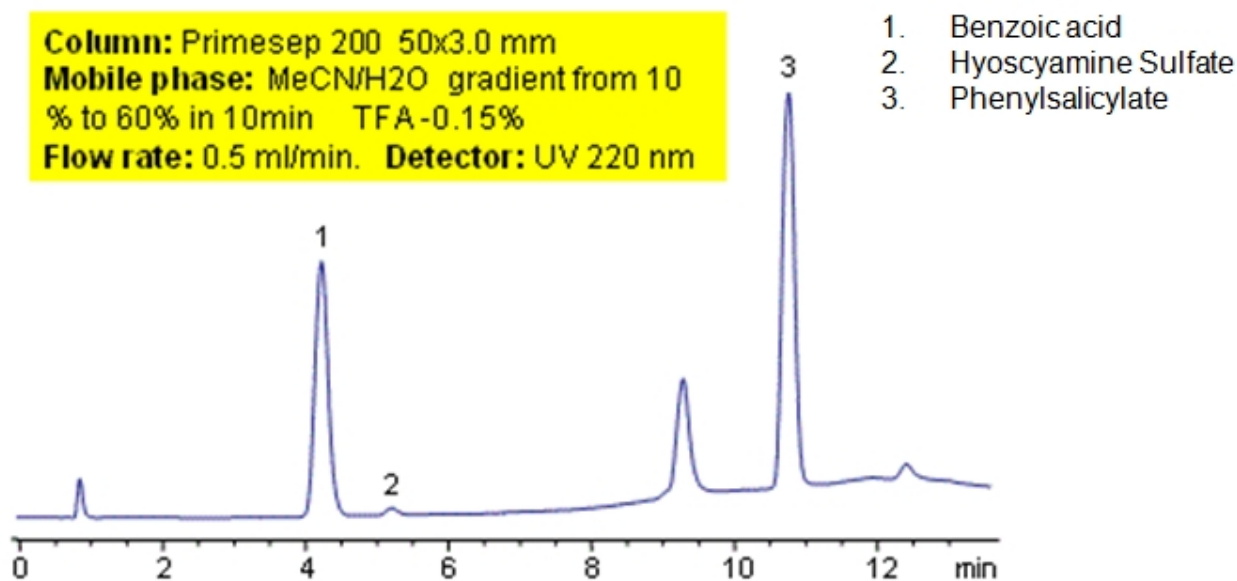


# HPLC Separation of Active Compounds in Drug Formulation

<https://sielc.com/Application-HPLC-Separation-of-Active-Compounds-in-Drug-Formulation>

## Chromatogram



HPLC Separation of Active Compounds in Drug Formulation

## Description

An HPLC method for the separation of active drug compounds on a Primesep 200 column. The retention of compounds is achieved through reverse-phase, cation exchange and hydrophobic interactions. Benzoic acid, hyoscyamine sulfate and phenyl salicylate are baseline separated using simple mobile phases of water, acetonitrile (MeCN, ACN) and trifluoroacetic acid (TFA) with a UV detector.

## Method Parameters

Mobile Phase	MeCN/H <sub>2</sub> O
Buffer	TFA
Flow Rate	1.0 ml/min
Detection	UV, 220 nm
Class of Compounds	Acid, Hydrophilic, Ionizable
Analyzing Compounds	Benzoic acid, Hyoscyamine Sulfate, Phenylsalicylate)

## HPLC Column Used

**Primesep 200, 3.0x50 mm, 5 µm, 100A**

[Order this column at hplc-shop.de →](#)