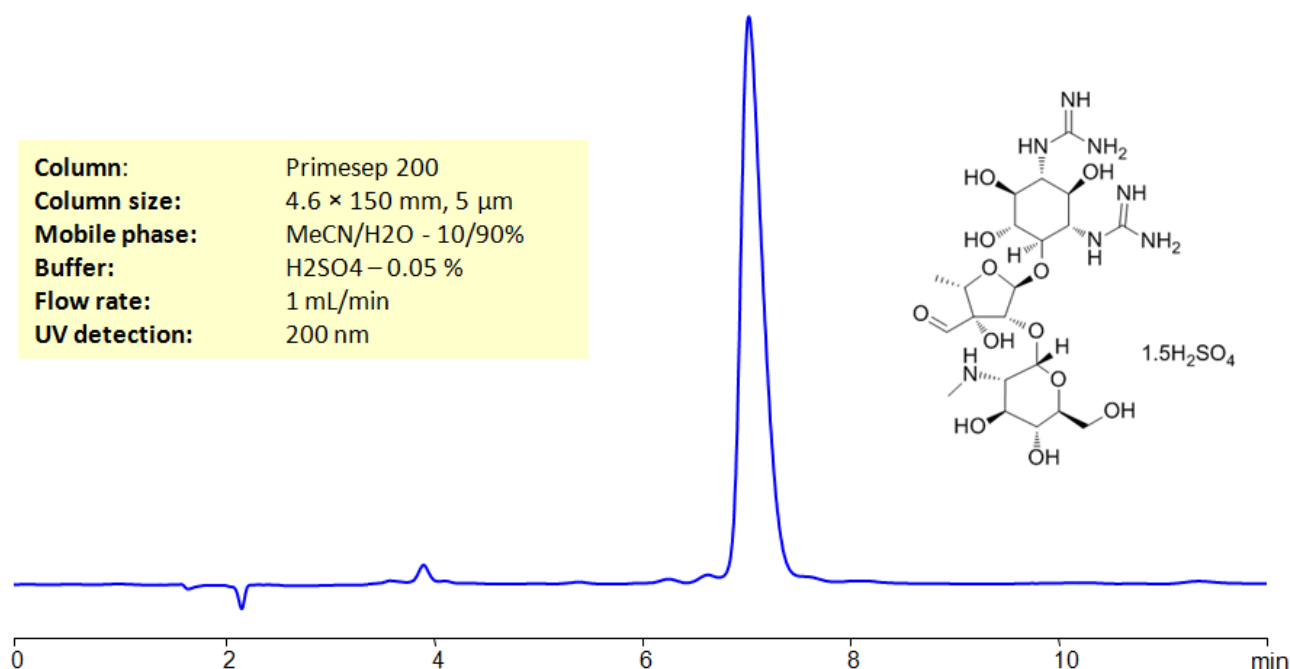


# HPLC Determination of Streptomycin on Primesep 200 Column

<https://sielc.com/hplc-determination-of-streptomycin>

## Chromatogram



HPLC Determination of Streptomycin sulfate salt on Primesep 200 Column

## Description

High Performance Liquid Chromatography (HPLC) Method for Analysis of Streptothricins , Streptomycin B , Streptomycin .

Streptomycin is an antibiotic used in treating bacterial infections and has also been used as a pesticide. It is on the World Health Organization's (WHO) list of essential medicines. It works by inhibiting the synthesis of proteins. It can be retained on a Primesep 200 mixed-mode column by hydrophobic and ion-exchange properties. The analytical method uses MS-compatible mobile phase of acetonitrile (ACN) and water with sulfuric acid (H<sub>2</sub>SO<sub>4</sub>) buffer. Also capable of UV detection at 200nm.

## Method Parameters

<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O – 10/90%
<b>Buffer</b>	H <sub>2</sub> SO <sub>4</sub> – 0.05%
<b>Flow Rate</b>	1.0 ml/min
<b>Detection</b>	UV, 200 nm
<b>Class of Compounds</b>	Drug, Hydrophilic, Zwitterionic, Antibiotic
<b>Analyzing Compounds</b>	Streptothricins, Streptomycin B, Streptomycin

## HPLC Column Used

### **Primesep 200**

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