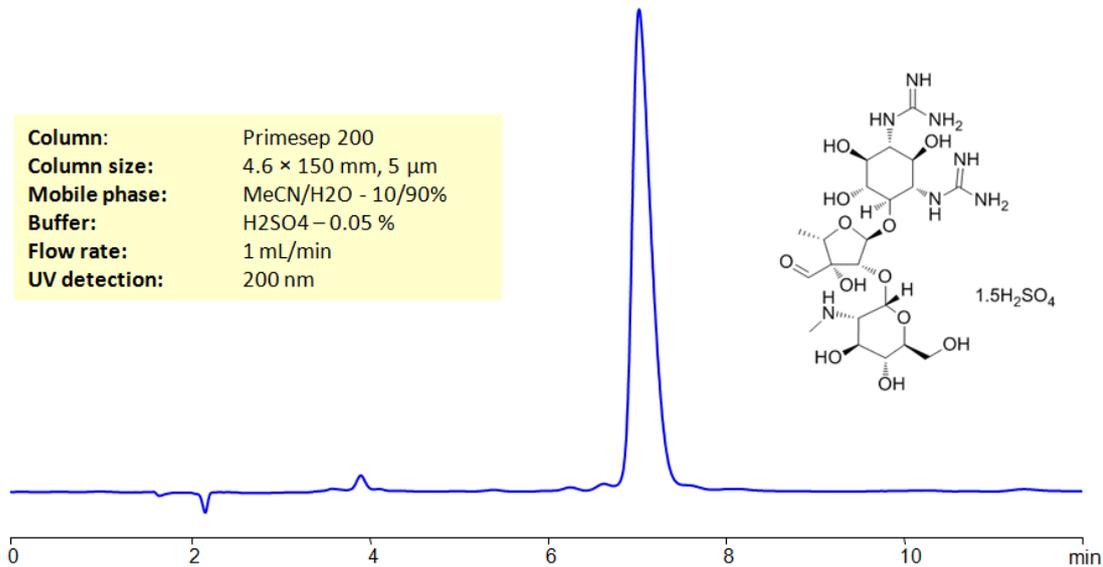


## HPLC Determination of Streptomycin on Primesep 200 Column



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 200 nm.

### Method Parameters

<b>Column</b>	Primesep 200
<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

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