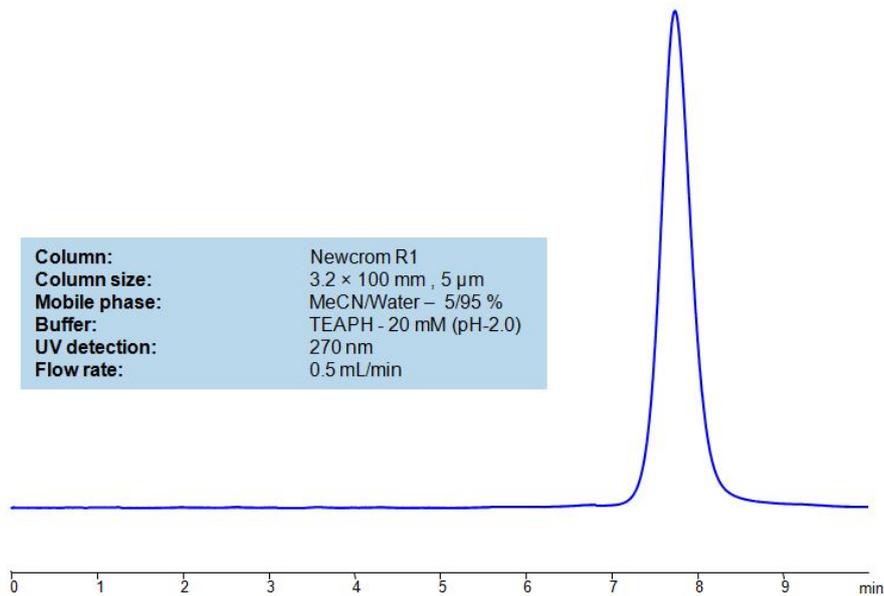


## HPLC Method For Analysis Of Minocycline Hydrochloride on Newcrom R1 Column



High Performance Liquid Chromatography (HPLC) Method for Analysis of Minocycline hydrochloride

Minocycline hydrochloride is a tetracycline antibiotic with  $C_{23}H_{27}N_3O_7 \cdot HCl [XH_2O]$  molecular formula. It is used to treat a wide variety of bacterial infections, acne, and sexually transmitted infections.

Minocycline hydrochloride can be retained and analyzed using the Newcrom R1 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a triethanolamine buffer. Detection is performed using UV.

### Method Parameters

<b>Column</b>	Newcrom R1, 3.2 x 100 mm, 5 µm, 100 Å, dual ended
<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O – 5/95%
<b>Buffer</b>	TEAPh – 20 mM, pH 2.0
<b>Flow Rate</b>	0.5 mL/min
<b>Detection</b>	UV, 270 nm

Quelle: <https://sielc.com/hplc-method-for-analysis-of-minocycline-hydrochloride>