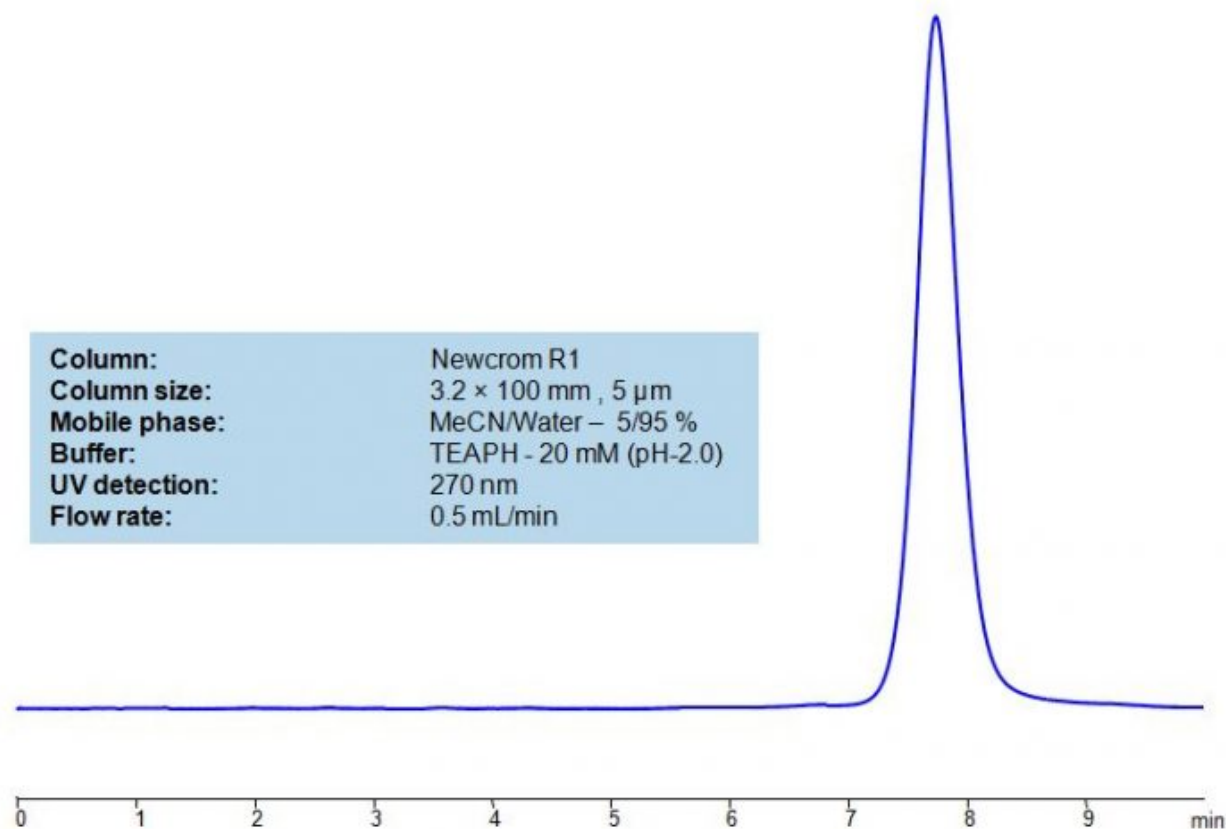


HPLC Method For Analysis Of Minocycline Hydrochloride on Newcrom R1 Column

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

Chromatogram



Description

· 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

Mobile Phase	MeCN/H ₂ O – 5/95%
Buffer	TEAPh – 20 mM, pH 2.0
Flow Rate	0.5 ml/min
Detection	UV, 270 nm

Class of Compounds	Drug, Antibiotics
Analyzing Compounds	Minocycline hydrochloride

HPLC Column Used

Newcrom R1, 3.2 x 100 mm, 5 µm, 100 A, dual ended

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