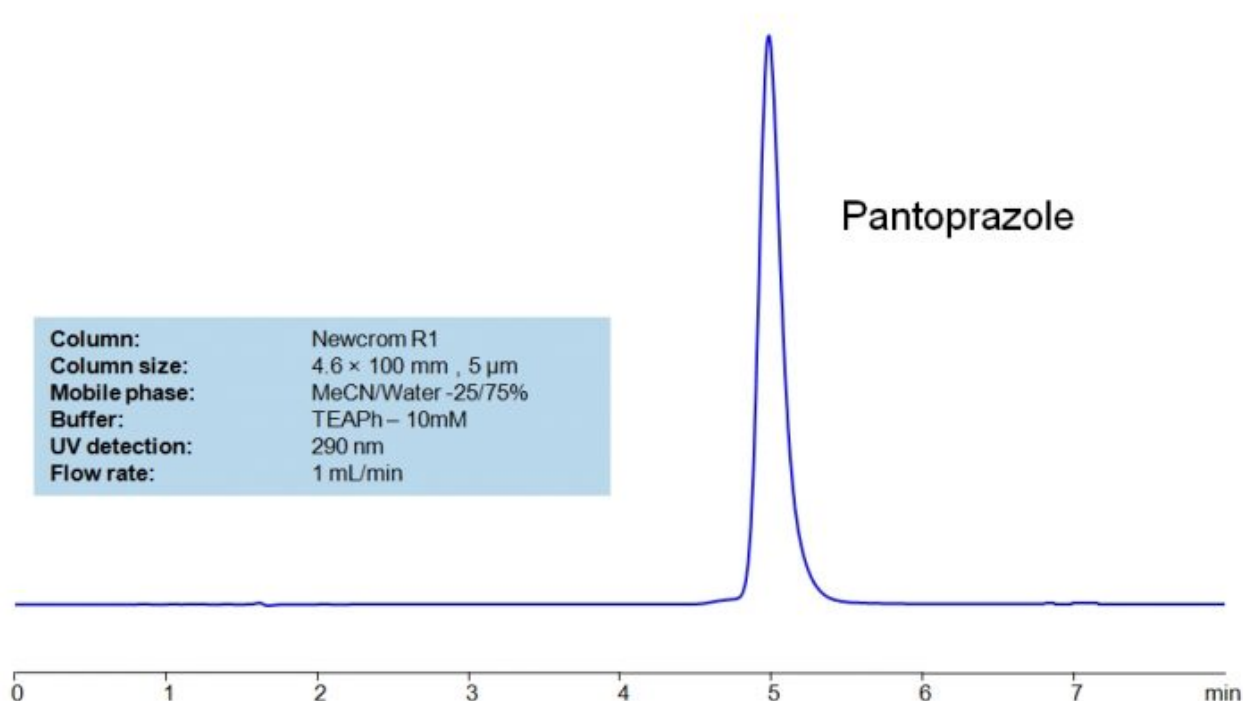


HPLC Method for Analysis of Pantoprazole Sodium in Tablets on Newcrom R1

<https://sielc.com/hplc-method-for-analysis-of-pantoprazole-sodium-in-tablets>

Chromatogram



Description

High Performance Liquid Chromatography (HPLC) Method for Analysis of Pantoprazole , Pantoprazole sodium

Pantoprazole is a proton pump inhibitor (PPI) with C₁₆ H₁₅ F₂ N₃ O₄ S molecular formula. It is used to decrease stomach acids amounts. It does that through binding to proton pumps in the stomach's lining, therefore preventing the production of stomach acid.

Pantoprazole , Pantoprazole sodium 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 – 25/75%
Buffer	TEAPh – 10 mM
Flow Rate	1.0ml/min
Detection	UV, 290 nm
Class of Compounds	Drug, Proton-pump inhibitor, Hydrophobic, Neutral
Analyzing Compounds	Pantoprazole,Pantoprazole sodium

HPLC Column Used

Newcrom R1, 4.6 x 100 mm, 5 µm, 100 A, dual ended

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