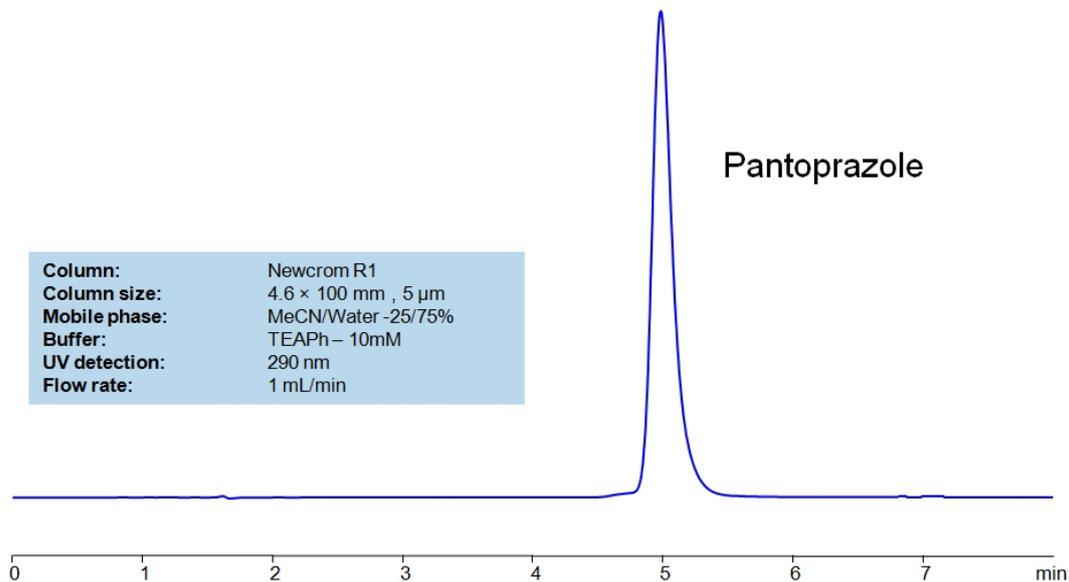


## HPLC Method for Analysis of Pantoprazole Sodium in Tablets on Newcrom R1



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

Pantoprazole is a proton pump inhibitor (PPI) with C<sub>16</sub>H<sub>15</sub>F<sub>2</sub>N<sub>3</sub>O<sub>4</sub>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

<b>Column</b>	Newcrom R1, 4.6 x 100 mm, 5 µm, 100 Å, dual ended
<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O – 25/75%
<b>Buffer</b>	TEAPh – 10 mM
<b>Flow Rate</b>	1.0ml/min
<b>Detection</b>	UV, 290 nm

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