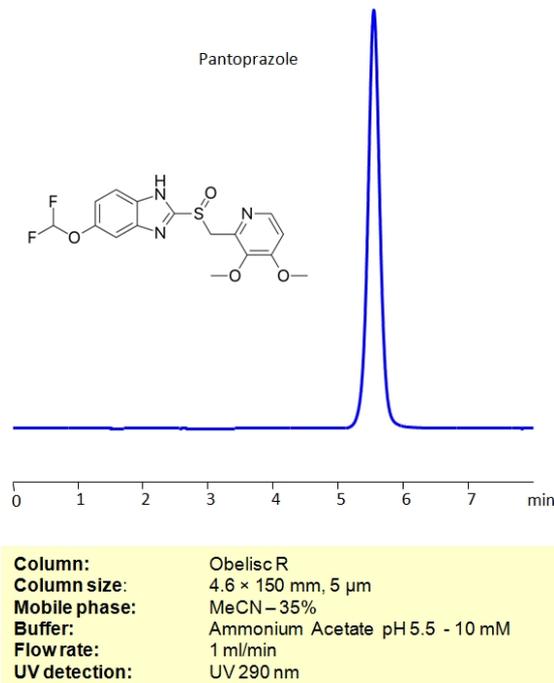


Determination Pantoprazole on Obelisc R Column



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

Pantoprazole is a proton pump inhibitor (PPI) with C₁₆H₁₅F₂N₃O₄S 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 on an Obelisc R column, which has both positive and negative ion-pairs embedded in the stationary phase, allowing for the fine tuning and separation of a wide range of compounds with different ionic properties. Pantoprazole can be determined isocratically using a simple MS-compatible mobile phase of acetonitrile (ACN) and water with Ammonium Acetate (AmAc) buffer and detected by UV at 290 nm, ELSD, CAD or LC/MS.

Method Parameters

Column	Obelisc R, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN -35%
Buffer	Ammonium Acetate pH 5.5 – 10 mM
Flow Rate	1.0 mL/min
Detection	UV 290 nm

Quelle: <https://sielc.com/determination-pantoprazole-on-obelisc-r-column>