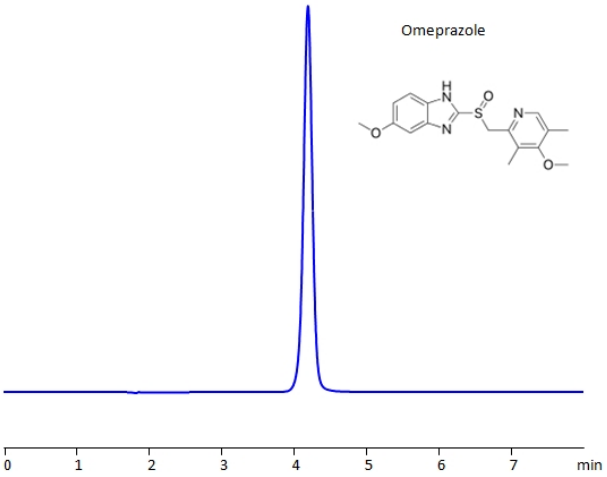
Determination Omeprazole on Obelisc R Column



Column:	Obelisc R
Column size:	4.6 × 150 mm, 5 µm
Mobile phase:	MeCN –35%
Buffer:	Ammonium Acetate pH 5.5 - 10 mM
Flow rate:	1 ml/min
UV detection:	UV 300 nm

High Performance Liquid Chromatography (HPLC) Method for Analysis of Omeprazole .

Omeprazole is a proton pump inhibitor (PPI) with the chemical formula C17H19N3O3S . It is a medication that decreases the amount of acid produced in the stomach. Omeprazole has a bactericidal effect on Helicobacter pylori.

Obelisc R column which has both positive and negative ion-pairs embedded in the stationary phase allows for fine tuning and separation of a wide range of compounds with different ionic properties. Omeprazole was separated isocratically using a simple MS-compatible mobile phase of acetonitrile (ACN) and water with Ammonium Acetate (AmAc) buffer. Can also be UV detected at 300 nm.

Method Parameters

Column	Obelisc R, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	Gradient MeCN -20-50% in 15 min + 5 min hold
Buffer	Ammonium Acetate pH 5.5 – 10 mM
Flow Rate	1.0 mL/min
Detection	UV 300 nm

Quelle: https://sielc.com/determination-omeprazole-on-obelisc-r-column

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