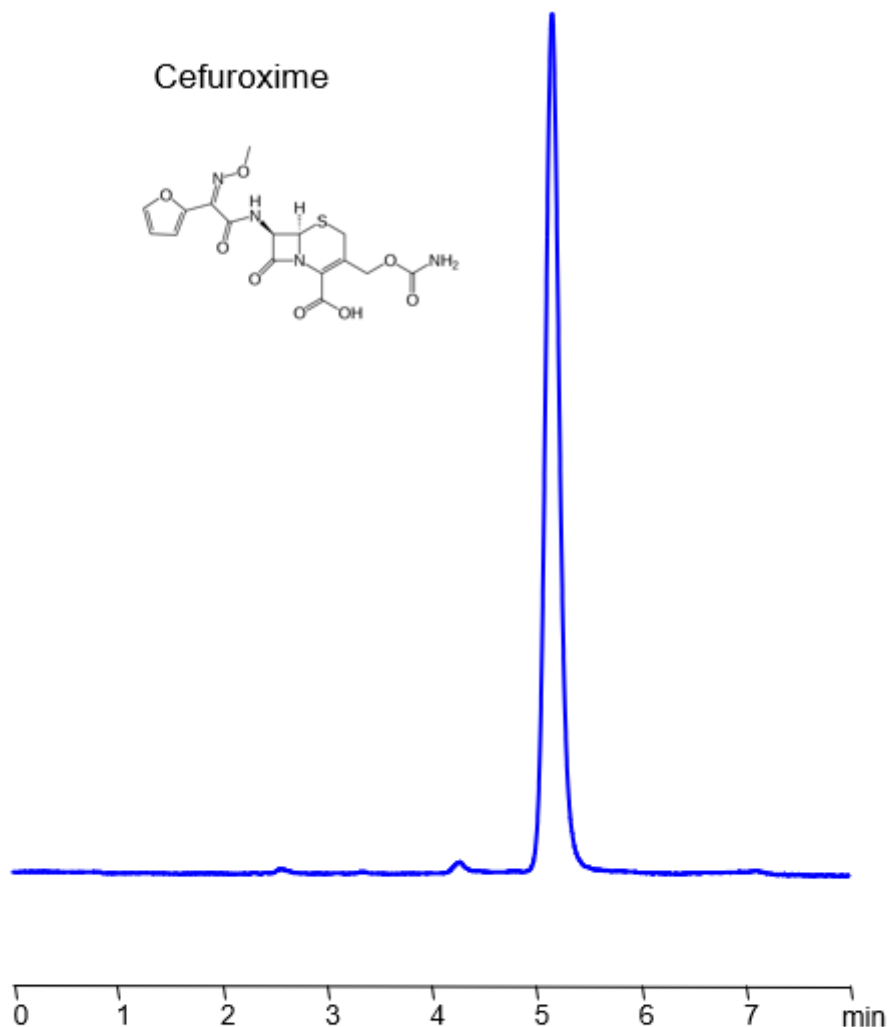


HPLC Method for Analysis of Cefuroxime on Primesep 100 Column

<https://sielc.com/hplc-determination-of-cefuroxime>

Chromatogram



Column:	Primesep 100
Column size:	4.6 × 150 mm, 5 µm
Column part number:	100-46.150.0510
Mobile phase:	MeCN/H ₂ O – 20/80%
Buffer:	H ₂ SO ₄ - 0.05%
Flow rate:	1.0 mL/min
Detection:	UV 190, 275 nm

Description

Cefuroxime is a cephalosporin antibiotic with the chemical formula C₁₆H₁₆N₄O₈S. It is used to treat a variety of infections including bronchitis, gonorrhea, and Lyme disease. You can find detailed UV spectra of Cefuroxime and information about its various lambda maxima by visiting the following link.

Cefuroxime can be retained and analyzed on a Primesep 100 mixed-mode stationary phase column using an isocratic analytical method with a simple mobile phase of water, Acetonitrile (MeCN), and a sulfuric acid (H₂SO₄) buffer. This analysis method can be detected in the UV regime at 190 and 275 nm.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 20/80%
Buffer	H ₂ SO ₄ – 0.05%
Flow Rate	1.0 ml/min
Detection	UV 190, 275 nm
Peak Retention Time	4.81 min
Class of Compounds	Drug
Analyzing Compounds	Cefuroxime

HPLC Column Used

Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended

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