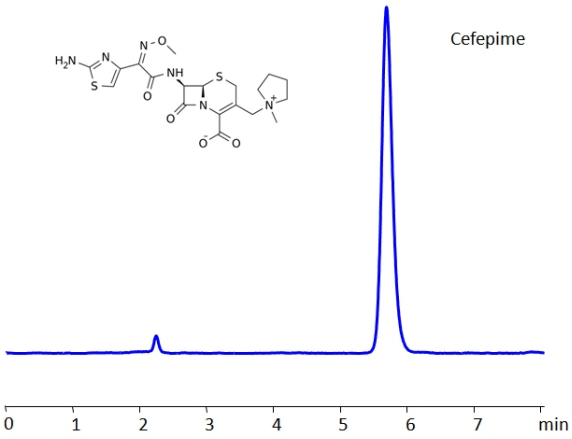
HPLC Determination of Cefepime on Primesep 100 Column



Column:	Primesep 100
Column size:	4.6 × 150 mm, 5 µm
Column part number:	100-46.150.0510
Mobile phase:	MeCN/H_2O – 30/70%
Buffer:	H_2SO_4 – 0.5%
Flow rate:	1.0 mL/min
Detection:	UV 270 nm

High Performance Liquid Chromatography (HPLC) Method for Analysis Cefepime

Cefepime is a fourth generation cephalosporin antibiotic usually reserved for treatment of severe nosocomial pneumonia and febrile neutropenia as well as multiple drug-resistant microorganisms such as Pseudomonas aeruginosa, Staphylococcus aureus, and Streptococcus pneumoniae.

Cefepime can be retained on the Primesep 100 mixed-mode column using an isocratic analytical method with a simple mobile phase of water, acetonitrile (MeCN, ACN), and sulphuric acid (H2SO4) buffer. The analysis method can be UV detected at 270 nm.

Method Parameters

Column	Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 30/70%
Buffer	H2SO4 – 0.5%
Flow Rate	1.0 mL/min
Detection	UV 270 nm

Quelle: https://sielc.com/hplc-determination-of-cefepime

AugustaChrom - Dr. Roland Kießwetter
Tel.: +49 821 599 783 70
Fax: +49 821 599 783 71
E-Mail: info@hplc-shop.de