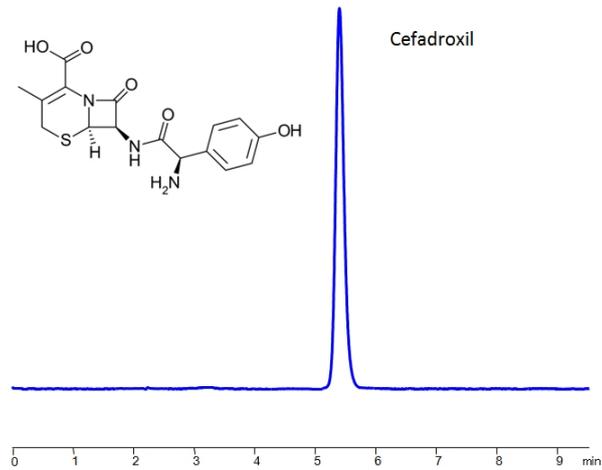


HPLC Determination of Cefadroxil on Primesep 100 Column



Column:	Primesep 100
Column size:	4.6 × 150 mm, 5 µm
Column part number:	100-46.150.0510
Mobile phase:	MeCN/H ₂ O – 15/85%
Buffer:	H ₂ SO ₄ – 0.5%
Flow rate:	1.0 mL/min
Detection:	UV 270 nm

High Performance Liquid Chromatography (HPLC) Method for Analysis Cefadroxil

Cefadroxil is a cephalosporin antibiotic used to treat many different types of infections caused by bacteria. Some infections that cephalosporins can be used to treat include respiratory tract infections, otitis media (middle ear infection), strep throat, skin infections, skin structure infections, bone infections, and urinary tract infections

Cefadroxil can be retained on the Newcrom BH 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/H ₂ O – 15/85%
Buffer	H ₂ SO ₄ – 0.5%
Flow Rate	1.0 mL/min
Detection	UV 270 nm

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