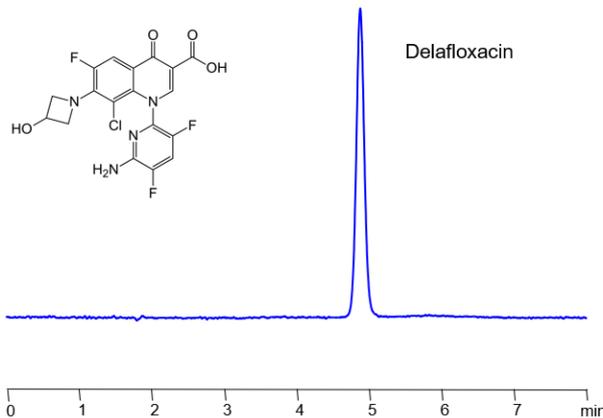


HPLC Method for Determination of Delafloxacin on Primesep 100 Column



Column:	Primesep 100
Column size:	4.6 × 150 mm, 5 µm
Column part number:	100-46.150.0510
Mobile phase:	MeCN/H ₂ O – 40/60%
Buffer:	H ₂ SO ₄ - 0.2%
Flow rate:	1.0 mL/min
Detection:	UV 290 nm

Delafloxacin, also known as Baxdela, is a popular antibiotic with the chemical formula C₁₈H₁₂ClF₃N₄O₄. It is used to treat skin infections from both gram-positive and gram-negative bacteria.

Delafloxacin can be retained and analyzed on a Primesep 100 mixed-mode stationary phase column using an isocratic analytical method with a simple isocratic mobile phase of water, Acetonitrile (MeCN), and a sulfuric acid (H₂SO₄) buffer. This analysis method can be UV detected at 290 nm with high resolution and peak symmetry.

Method Parameters

Column	Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 40%
Buffer	H ₂ SO ₄ – 0.2%
Flow Rate	1.0 mL/min
Detection	UV 290 nm

Quelle: <https://sielc.com/hplc-method-for-determination-of-delafloxacin>