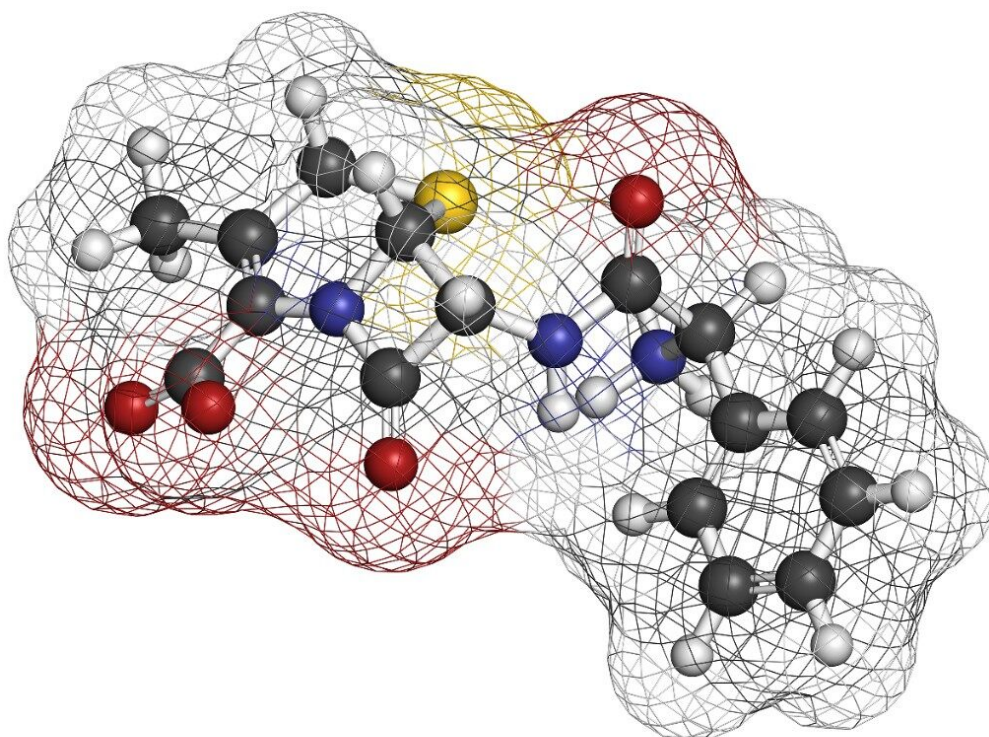


Analysis of Cephalosporin Antibiotics Using XBridge C₁₈

Waters Corporation

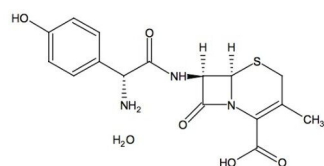


This is an Application Brief and does not contain a detailed Experimental section.

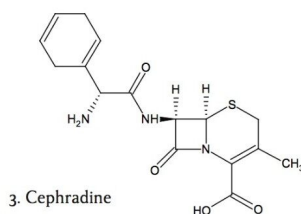
Abstract

This application brief highlights the analysis of cephalosporin antibiotics using XBridge C₁₈ Columns.

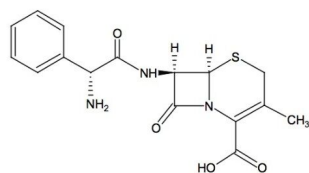
Introduction



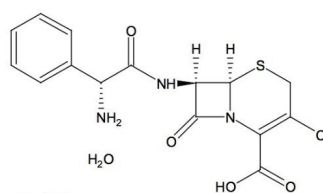
1. Cefadroxil



3. Cephadrine



2. Cephalexin



4. Cefaclor

Compounds used in this study.

Experimental

Test Conditions

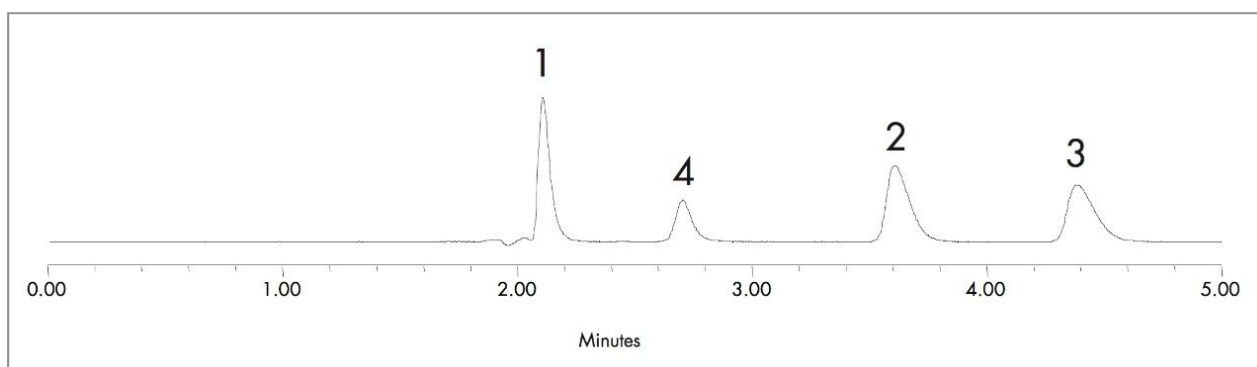
Column:	XBridge C ₁₈ , 5 μm, 4.6 x 150 mm p/n: 186003116
Isocratic Mobile Phase:	0.5% acetic acid/acetonitrile (85:15)
Flow Rate:	1.0 mL/min
Injection Volume:	10 μL
Sample Concentration:	20 μg/mL in water

Temperature: 25 °C

Detection: UV @ 254 nm

Instrument: Alliance 2695 with 2996 PDA

Results and Discussion



1. Cefadroxil 2. Cephradine 3. Cephalexin 4. Cefaclor.

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WA60165, April 2007

