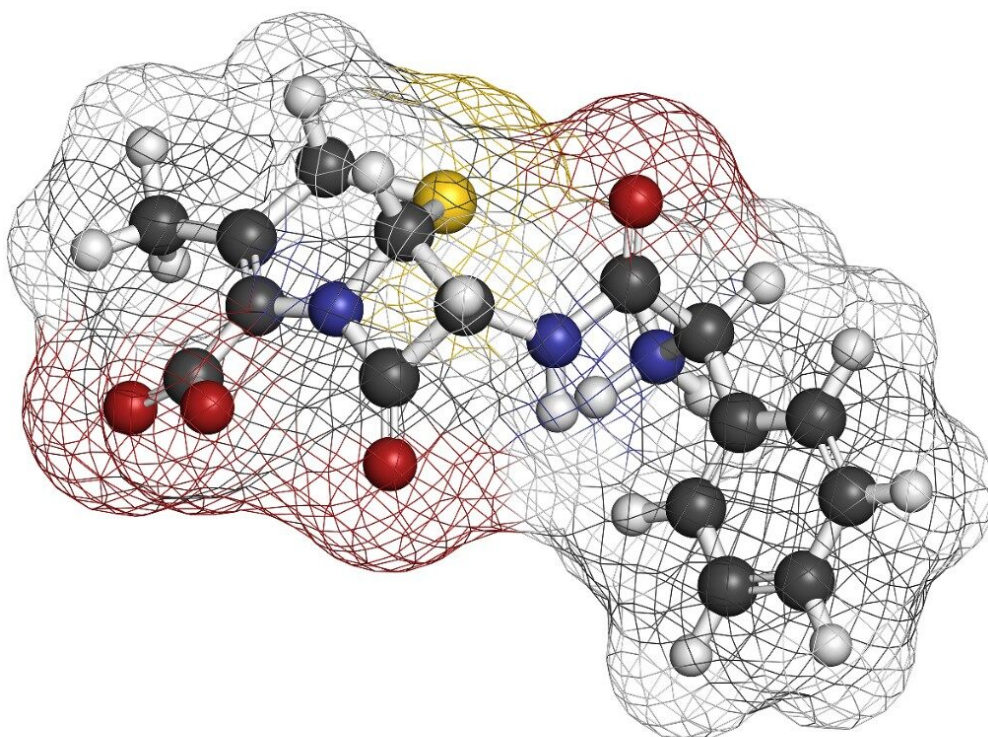


Nota applicativa

## Analysis of Cephalosporin Antibiotics Using XBridge C<sub>18</sub>

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Waters Corporation



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

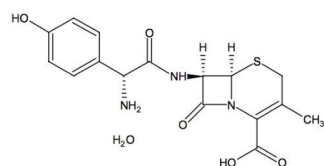
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### Abstract

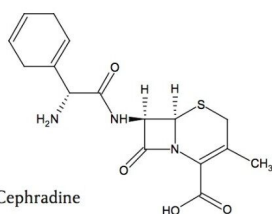
This application brief highlights the analysis of cephalosporin antibiotics using XBridge C<sub>18</sub> Columns.

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## Introduction



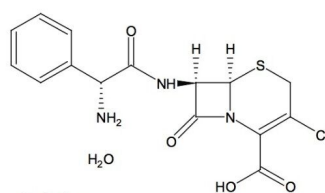
1. Cefadroxil



3. Cephadrine



2. Cephalexin



4. Cefaclor

---

*Compounds used in this study.*

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## Experimental

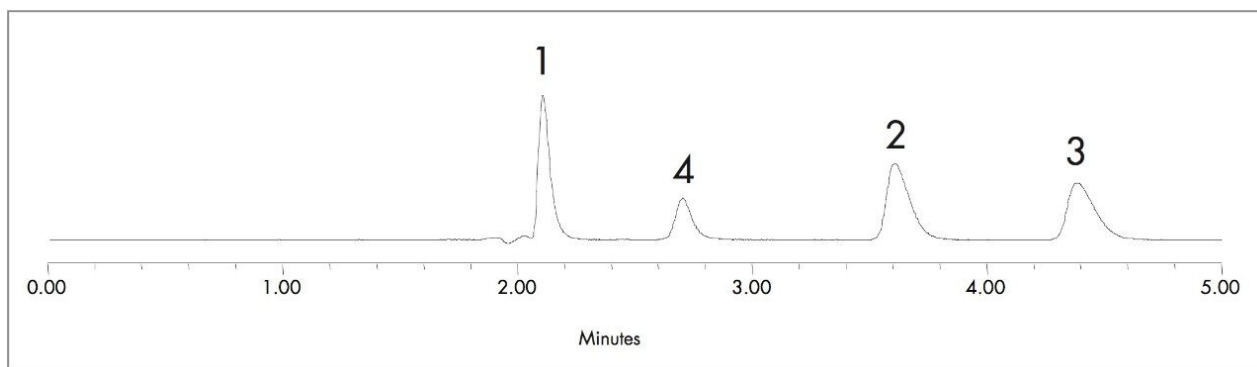
### Test Conditions

Column:	XBridge C <sub>18</sub> , 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

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## Results and Discussion



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

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## Featured Products

Alliance HPLC <<https://www.waters.com/514248>>

WA60165, April 2007

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