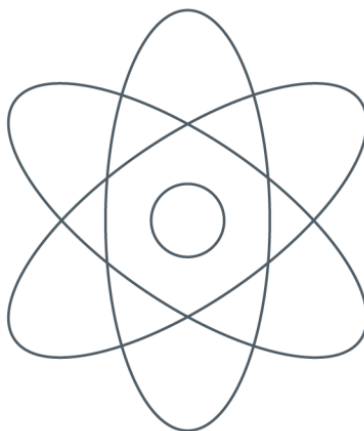


## Analysis of Cephalosporin Antibiotics Using XBridge C<sub>18</sub>

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Waters Corporation



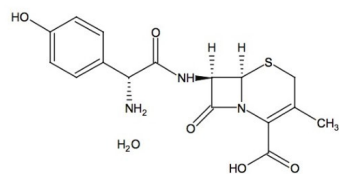
This is an Application Brief and does not contain a detailed Experimental section.

### Abstract

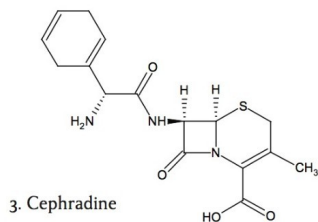
This application brief highlights the analysis of cephalosporin antibiotics using XBridge C<sub>18</sub> Columns.

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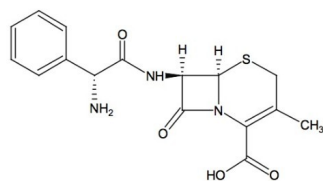
## Introduction



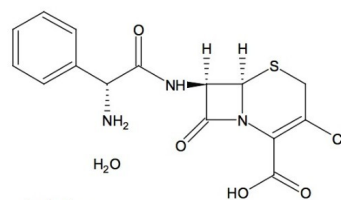
1. Cefadroxil



3. Cephadrine



2. Cephalexin



4. Cefaclor

Compounds used in this study.

## Experimental

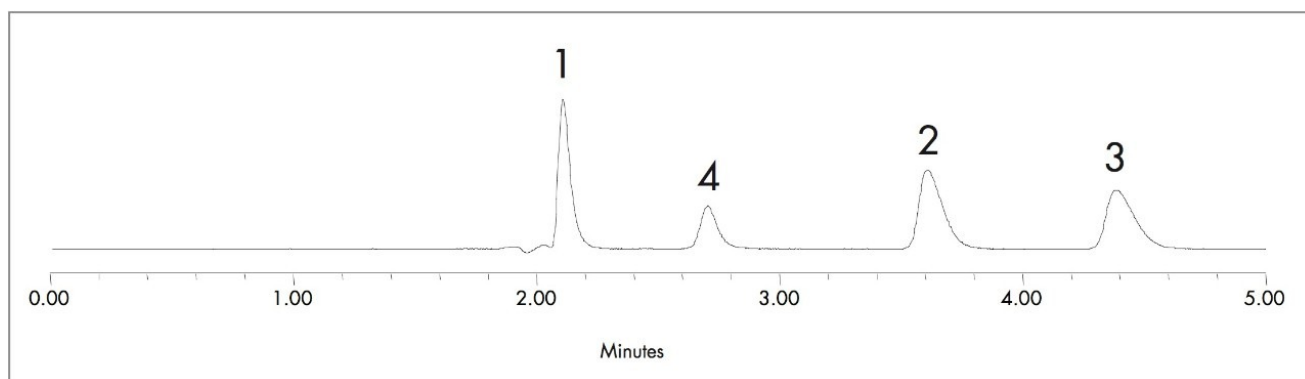
### Test Conditions

Column:	XBridge C <sub>18</sub> , 5 $\mu$ m, 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 $\mu$ L
Sample Concentration:	20 $\mu$ g/mL in water
Temperature:	25 °C
Detection:	UV @ 254 nm

Instrument:

Alliance 2695 with 2996 PDA

## Results and Discussion



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

## Featured Products

· [Alliance HPLC <https://www.waters.com/514248>](https://www.waters.com/514248)

WA60165, April 2007



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