

## Analysis of Tricyclic Antidepressants Using XBridge C<sub>18</sub>, pH 10.5

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Waters Corporation



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

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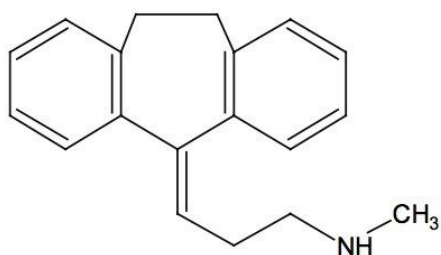
### Abstract

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

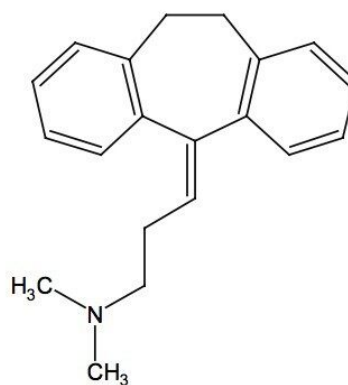
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## Introduction

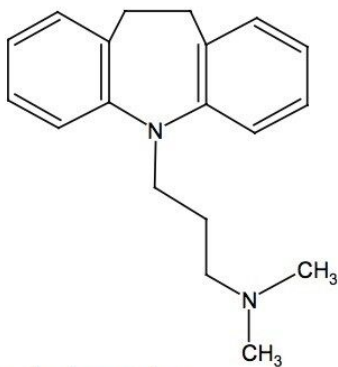
### Compounds



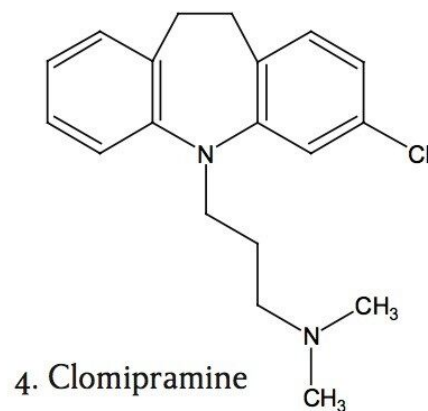
1. Nortriptyline



3. Amitriptyline



2. Imipramine



4. Clomipramine

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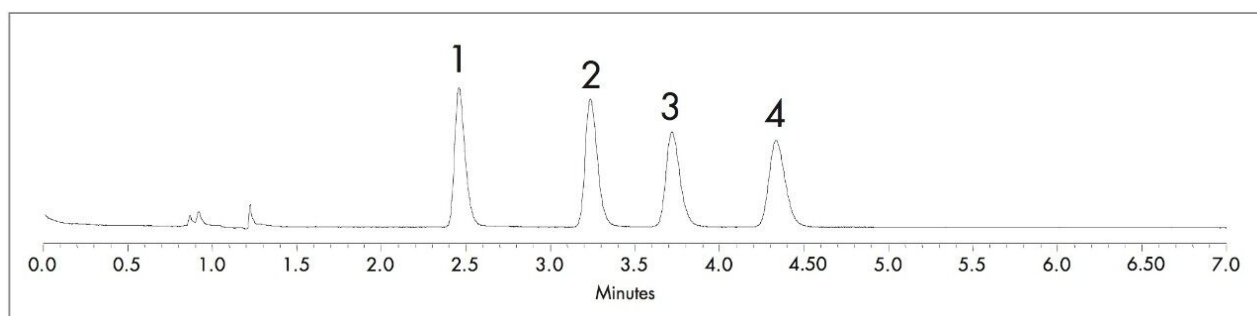
## Experimental

### Test Conditions

Column:	XBridge C <sub>18</sub> , 5 µm, 4.6 x 150 mm p/n: 186003116
Isocratic Mobile Phase:	10 mM ammonium bicarbonate buffer, pH 10.5/acetonitrile (25:75)
Flow Rate:	1.5 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




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