

## 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.

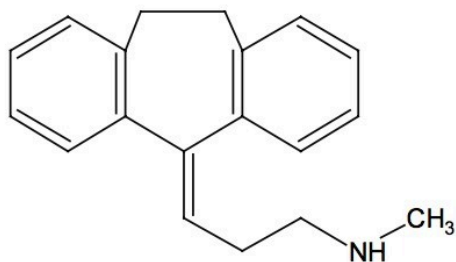
### Abstract

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

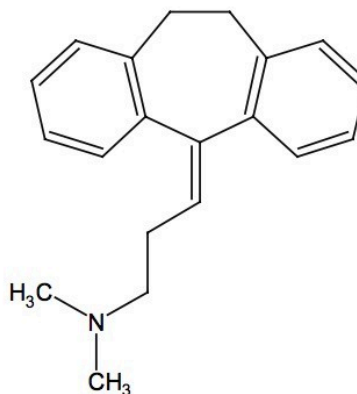
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## Introduction

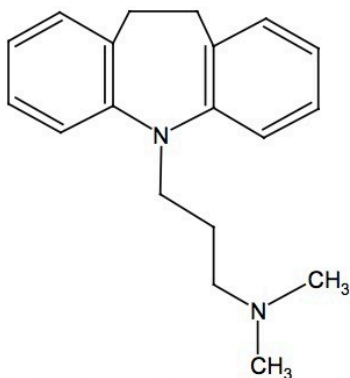
## Compounds



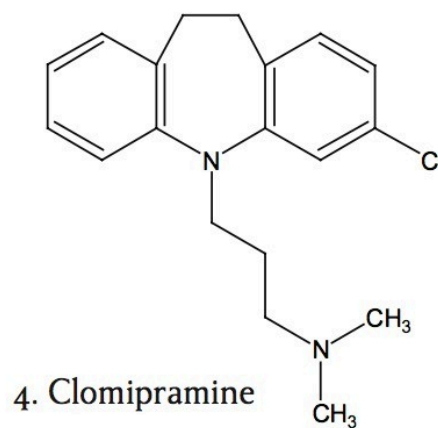
1. Nortriptyline



3. Amitriptyline



2. Imipramine



4. Clomipramine

## Experimental

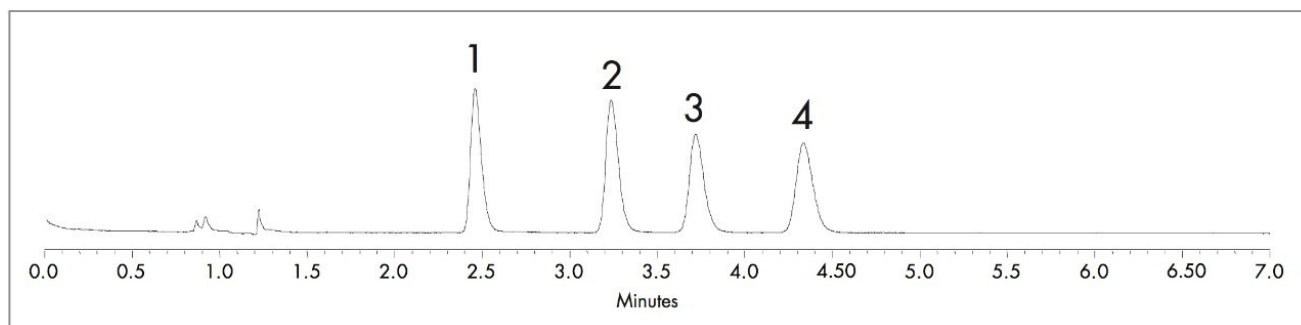
## Test Conditions

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 $\mu$ L
Sample Concentration:	20 $\mu$ g/mL in water
Temperature:	25 $^{\circ}$ C
Detection:	UV @ 254 nm
Instrument:	Alliance 2695 with 2996 PDA

## Results and Discussion



## Featured Products

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

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