

Application Note

## Analysis of Tricyclic Antidepressants Using XBridge C<sub>18</sub>, pH 7.0

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Waters Corporation



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

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### Abstract

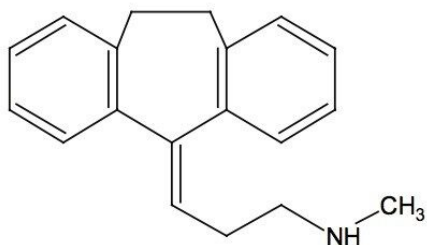
This application brief highlights the analysis of tricyclic antidepressants using XBridge C<sub>18</sub> Columns at pH 7.0.

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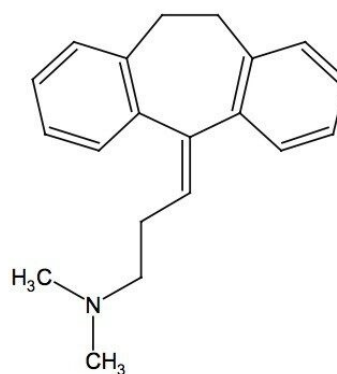
## Introduction

Tricyclic antidepressants are analyzed in this application brief.

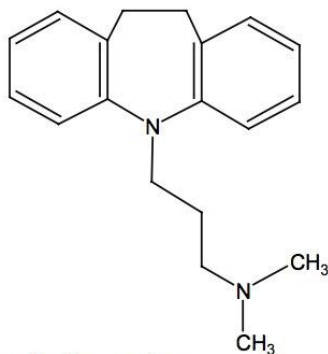
## Compounds



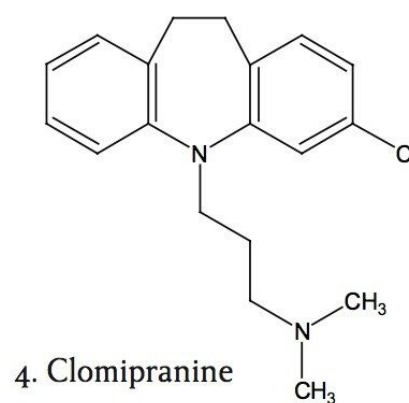
1. Nortriptyline



3. Amitriptyline



2. Imipramine



4. Clomipranine

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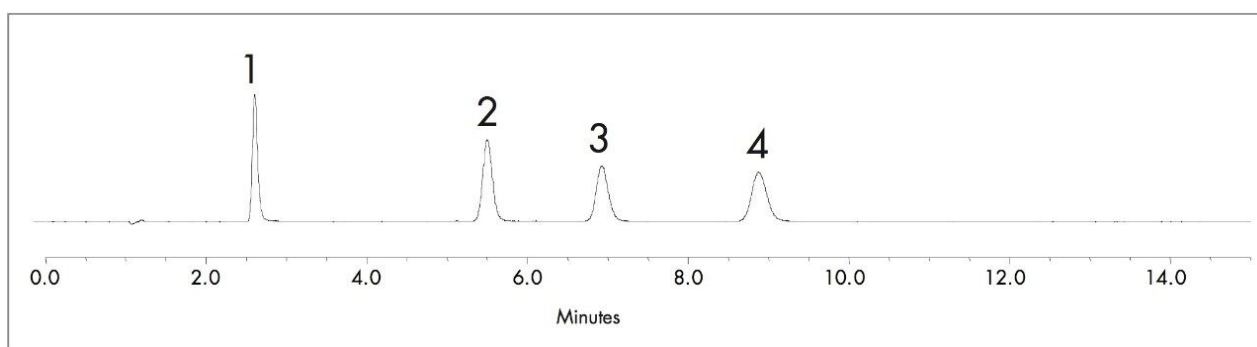
## Experimental

## Test Conditions

Column:	XBridge C <sub>18</sub> , 5 μm, 4.6 x 150 mm p/n: 186003116
Isocratic Mobile Phase:	20 mM sodium phosphate buffer, pH 7.0/acetonitrile/methanol (30:35:35)
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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Alliance HPLC <<https://www.waters.com/514248>>

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