

Application Note

Analysis of Tricyclic Antidepressants Using XBridge C₁₈, pH 10.5

Waters Corporation



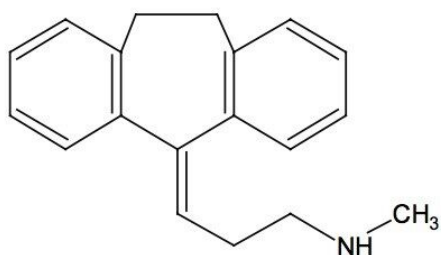
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

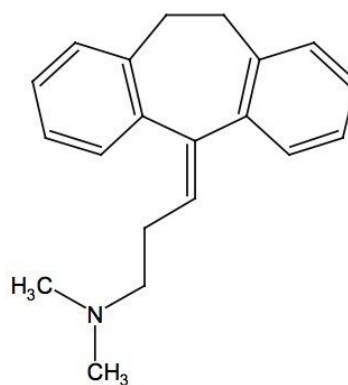
This application brief highlights the analysis of tricyclic antidepressants using XBridge C₁₈ Columns.

Introduction

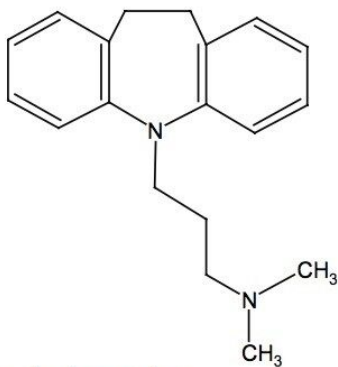
Compounds



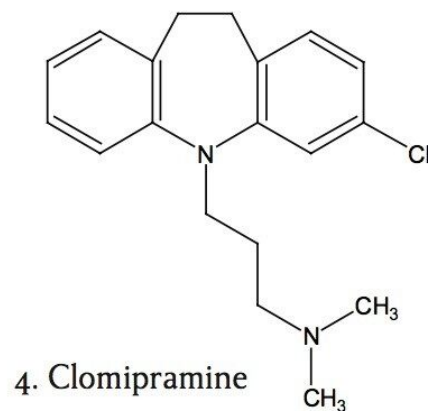
1. Nortriptyline



3. Amitriptyline



2. Imipramine



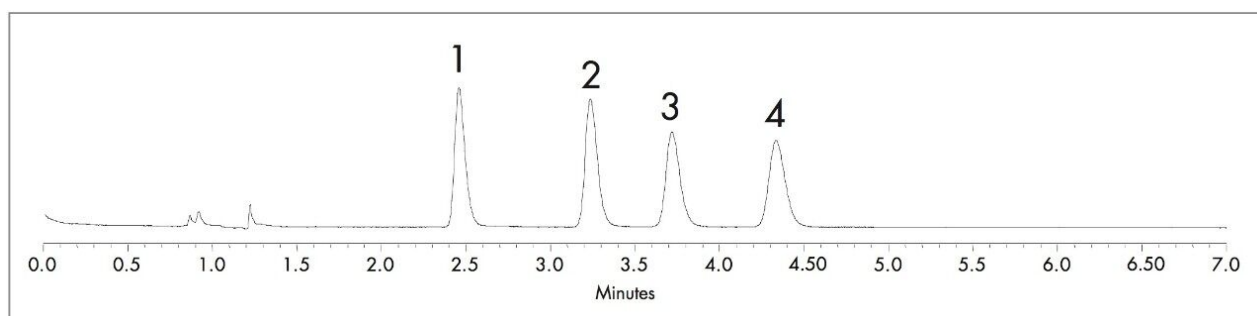
4. Clomipramine

Experimental

Test Conditions

Column:	XBridge C ₁₈ , 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

Results and Discussion



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