

Nota applicativa

Analysis of Tricyclic Antidepressants Using XBridge C₁₈, pH 10.5

Waters Corporation



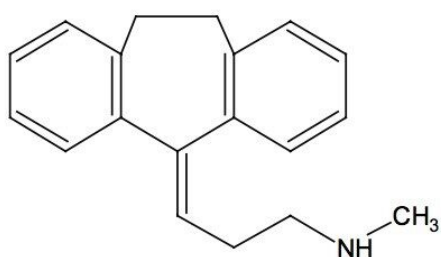
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

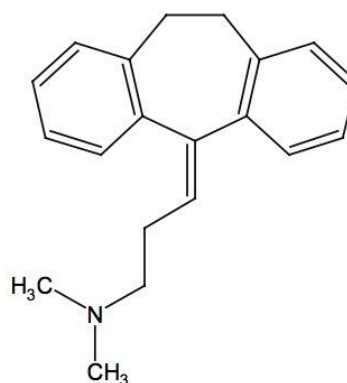
This application brief highlights the analysis of tricyclic antidepressants using XBridge C₁₈ Columns.

Introduction

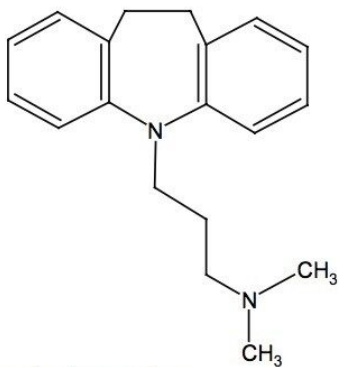
Compounds



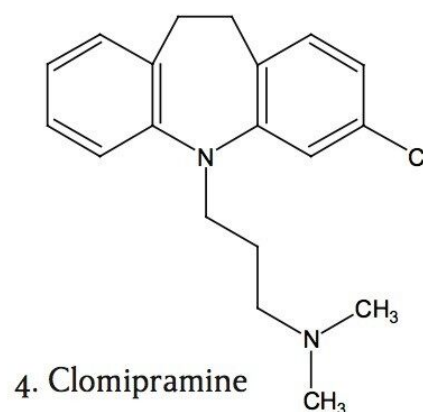
1. Nortriptyline



3. Amitriptyline



2. Imipramine



4. Clomipramine

Experimental

Test Conditions

Column: XBridge C₁₈, 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

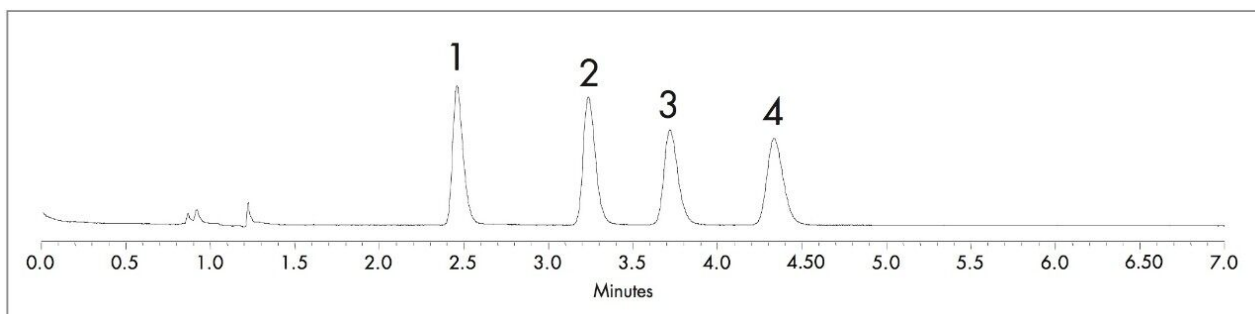
Sample Concentration: 20 μg/mL in water

Temperature: 25 °C

Detection: UV @ 254 nm

Instrument: Alliance 2695 with 2996 PDA

Results and Discussion



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