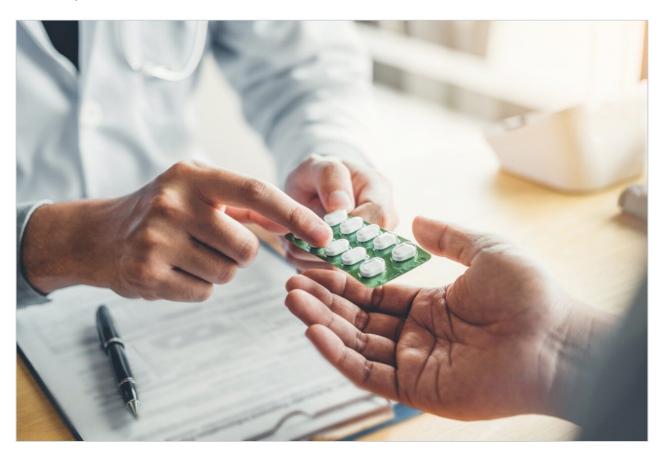
Waters™

Tricyclic Antidepressants

Waters Corporation



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

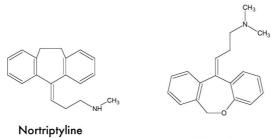
Abstract

This application brief demonstrates analysis of tricyclic antidepressants.

Introduction

The compounds used in this study are -

Compounds	USP tailing
1. Desimpramine	1.20
2. Nortriptyline	1.18
3. Doxepin	1.17
4. Imipramine	1.17
5. Amitriptyline	1.14



Doxepin



Experimental

Conditions

Flow rate:

Column: SunFire C₁₈ 4.6 x 150 mm, 5 µm

Part number: 186002559

Mobile phase A: Water

Mobile phase B: MeOH

Mobile phase C: 100 mM CH₃COO⁻NH₄⁺, pH 6.0

1 mL/min

Isocratic mobile phase conditions: 18% A, 72% B, 10% C

Injection volume: 10 μ L

Sample concentration: 10 μ g/mL in water

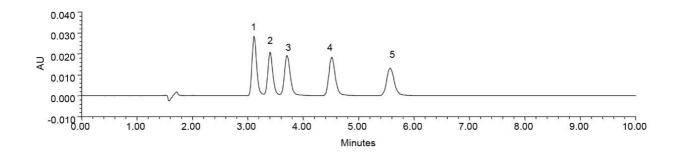
Temperature: 30 °C

Detection: UV @ 254 nm

Instrument: Alliance 2695 with 2996 PDA

Results and Discussion

Excellent peak shape on basic tricyclic antidepressants with SunFire C_{18} analytical Column.



Featured Products

Alliance HPLC System https://www.waters.com/534293

WA41907, May 2005

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