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Application Note

Tricyclic Antidepressants in Formic Acid: 420 µg Total Load

Waters Corporation



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

Abstract

This application brief demonstrates analysis tricyclic antidepressants in formic acid.

Introduction

The compounds used in this study are -

- 1. Doxepin
- 2. Desipramine
- 3. Trimipramine



Experimental

Column:	SunFire C ₁₈ 4.6 x 150 mm, 5 µ n

Part number: 186002559

Mobile phase A: 0.1% HCOOH in Water

Mobile phase B: 0.1% HCOOH in ACN

Flow rate: 1.4 mL/min

Injection volume: 10 μ L

Sample concentration: 14 mg/mL each, in DMSO

Temperature: Ambient

Detection: UV @ 254 nm

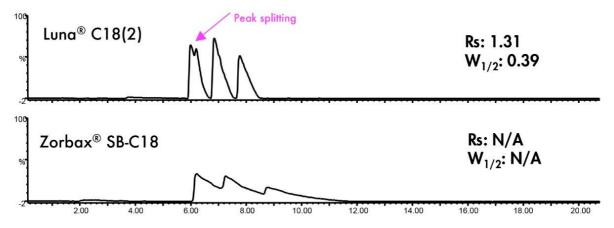
Instrument: AutoPurification System

Gradient

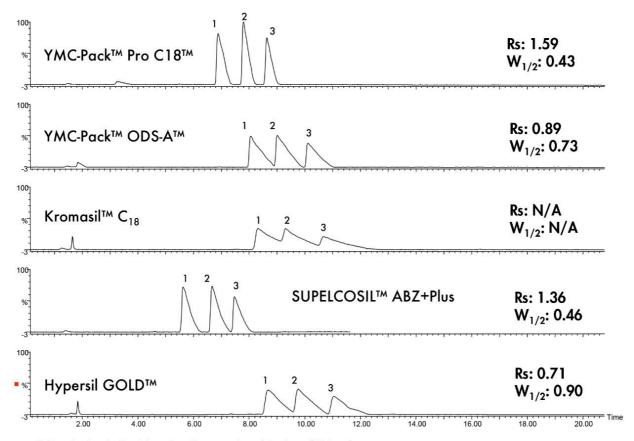
Time	Profile	
(min)	%A	%B
0.0	80	20
2.0	80	20
10.0	80	50

Results and Discussion





^{*:} Rs value is calculated based on the separation of the 1st and 2nd peaks. $W_{1/2}$ value is calculated based on the half width of the 3rd peak.



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Featured Products

AutoPurification System https://www.waters.com/10007147

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