

응용 자료

Tricyclic Antidepressants in Formic Acid: 420 µg Total Load

Waters Corporation



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

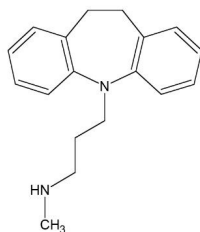
Abstract

This application brief demonstrates analysis tricyclic antidepressants in formic acid.

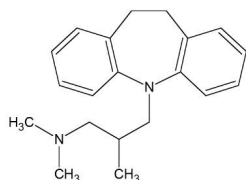
Introduction

The compounds used in this study are -

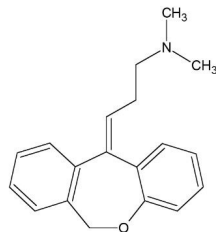
1. Doxepin
2. Desipramine
3. Trimipramine



Desipramine



Trimipramine



Doxepin

Experimental

Column:	SunFire C ₁₈ 4.6 x 150 mm, 5 µm
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 μL

Sample concentration:

14 mg/mL each, in DMSO

Temperature:

Ambient

Detection:

UV @ 254 nm

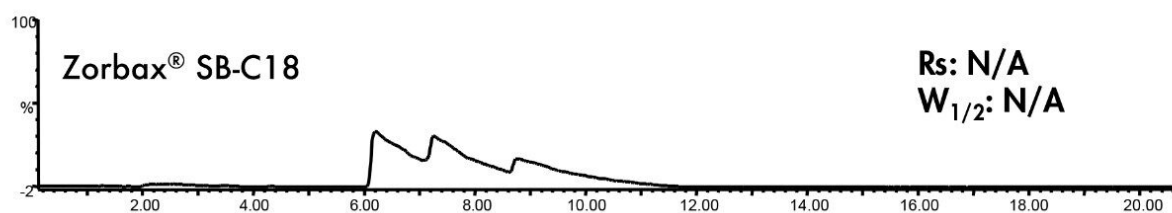
Instrument:

AutoPurification System

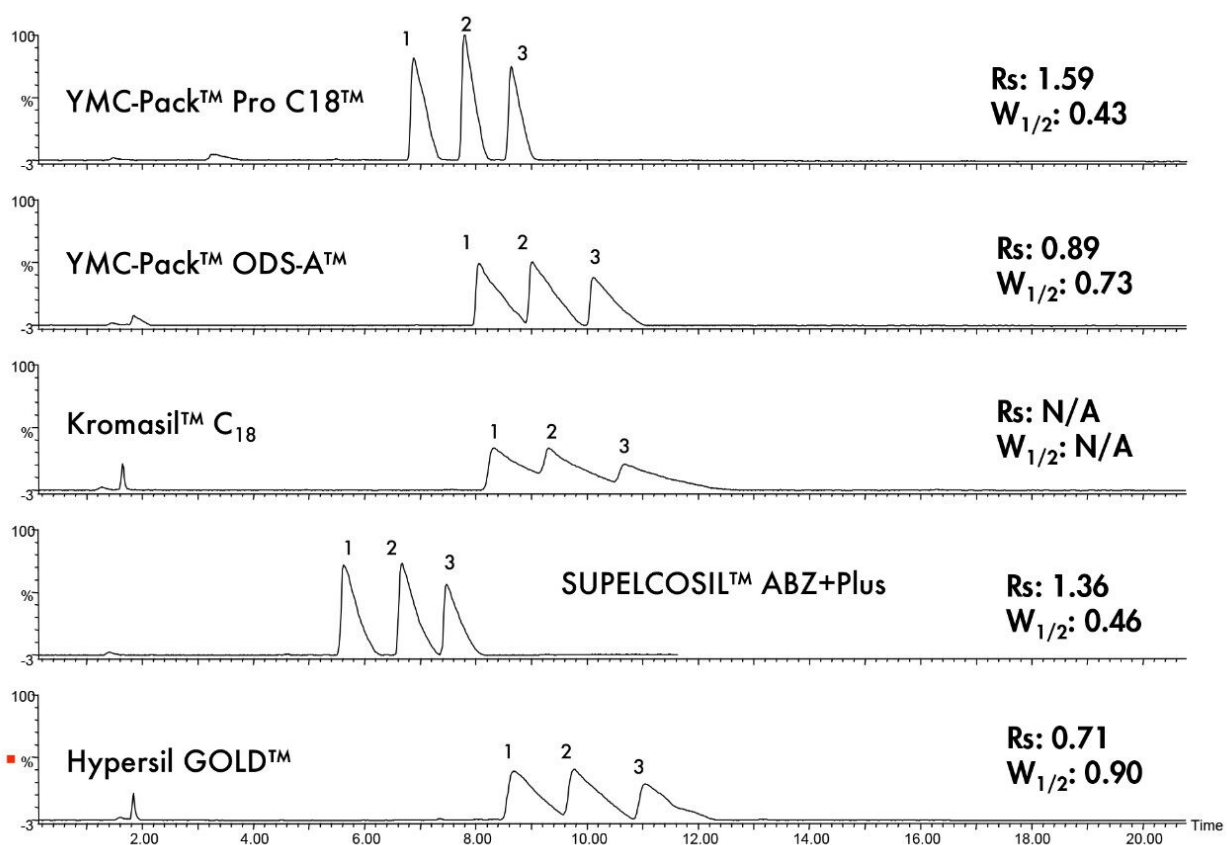
Gradient

Time (min)	Profile	
	%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.



*: 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.

Featured Products

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

WA41903, May 2005

