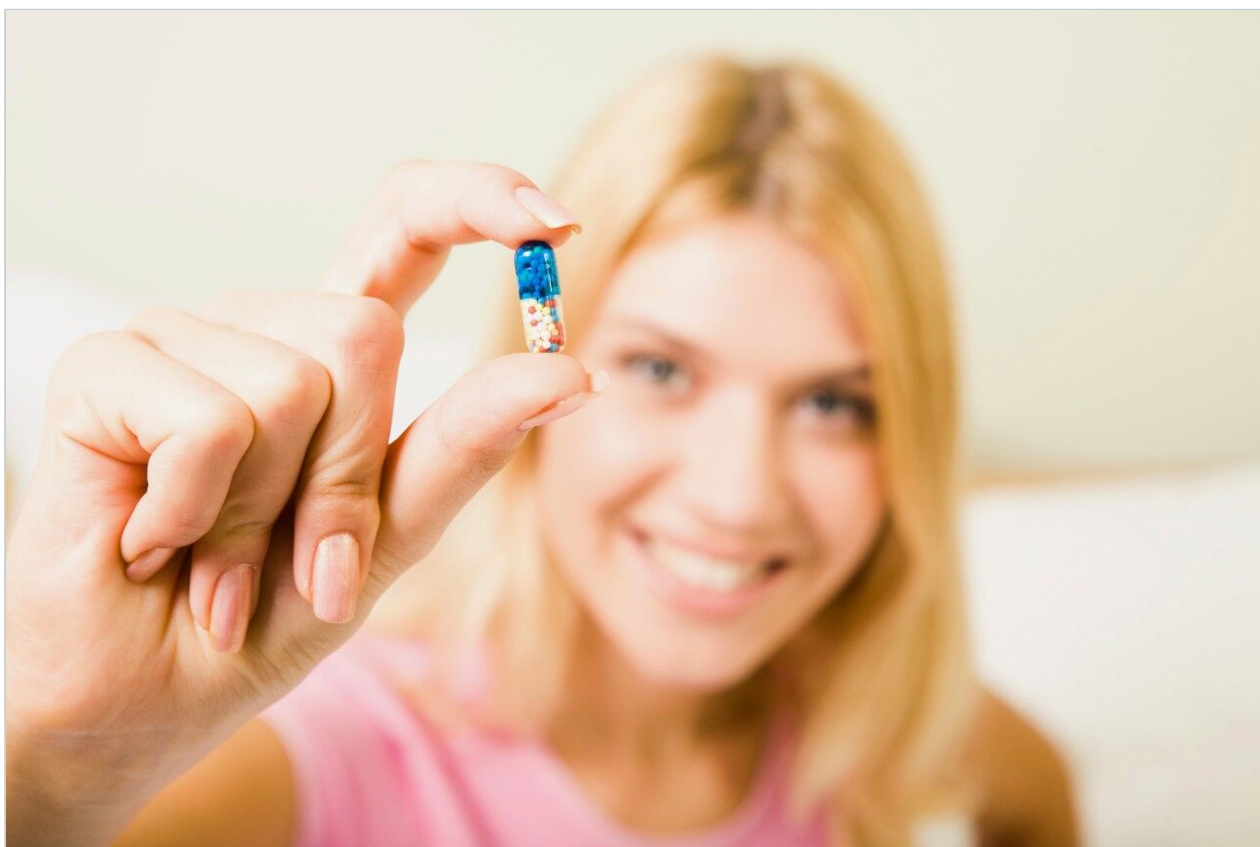


## Antidepressants in TFA

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Waters Corporation



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

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### Abstract

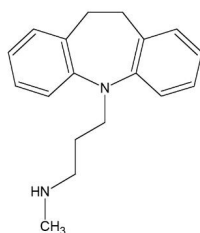
This application brief demonstrates analysis of antidepressants in TFA.

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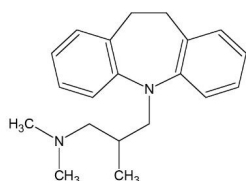
## Introduction

The compounds used in this study are -

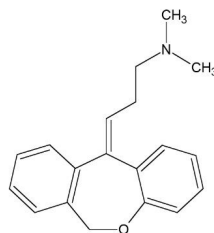
1. Doxepin
2. Desipramine
3. Trimipramine



**Desipramine**



**Trimipramine**



**Doxepin**

---

## Experimental

SunFire Column mass loading comparison for basic compounds (tricyclic antidepressants) in TFA. Comparison made with other leading HPLC column brands using 3,000 µg total load.

### Conditions

Column:	SunFire C <sub>18</sub> 4.6 x 150 mm, 5 µm
Part number:	186002559
Mobile phase A:	0.1% TFA in Water
Mobile phase B:	0.1% TFA in ACN
Flow rate:	1.4 mL/min

Injection volume: 10  $\mu$ L

Sample concentration: 100 mg/mL each, in DMSO

Temperature: Ambient

Detection: UV @ 254 nm

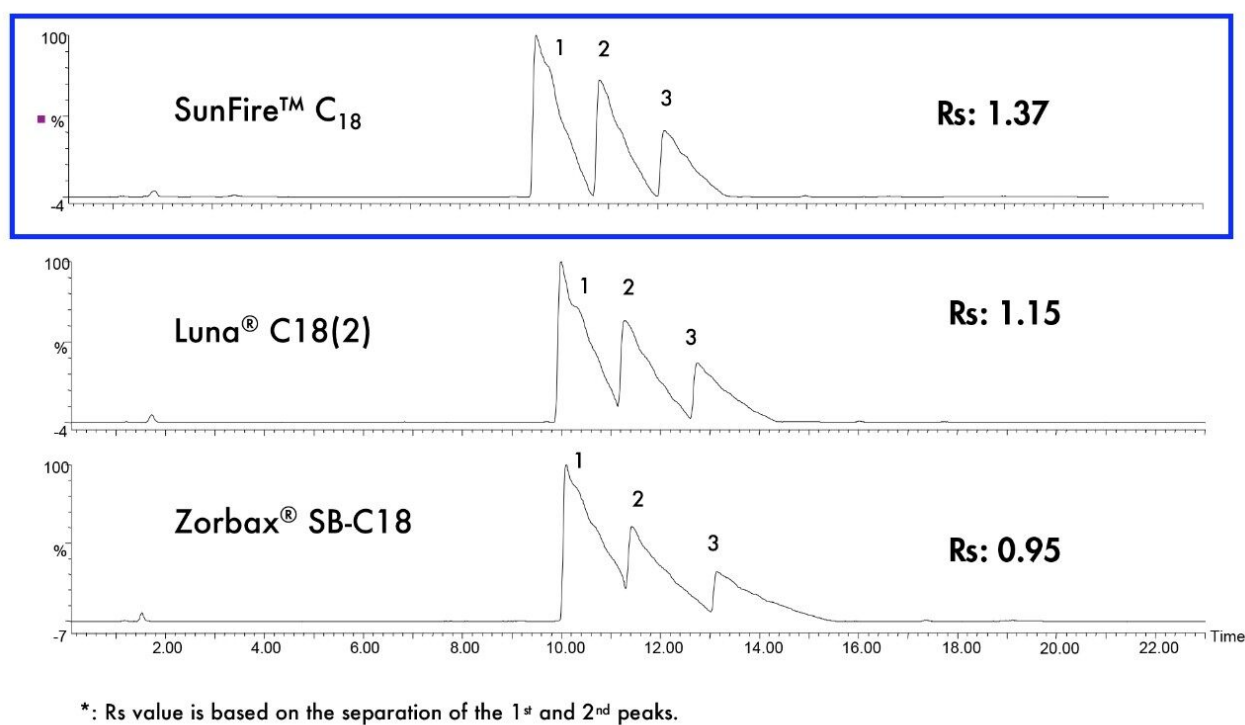
Instrument: AutoPurification System

### Gradient

Time (min)	Profile	
	%A	%B
0.0	80	20
2.0	80	20
15.0	50	50

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## Results and Discussion



## Featured Products

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

WA41905, May 2005