

## Tricyclic Antidepressants

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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 -

## Experimental

### Conditions

Column:	SunFire C <sub>18</sub> 4.6 x 150 mm, 5 µm
Part number:	186002559
Mobile phase A:	Water
Mobile phase B:	MeOH
Mobile phase C:	100 mM CH <sub>3</sub> COO <sup>-</sup> NH <sub>4</sub> <sup>+</sup> , pH 6.0
Flow rate:	1 mL/min
Isocratic mobile phase conditions:	18% A, 72% B, 10% C
Injection volume:	10 µL
Sample concentration:	10 µg/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<sub>18</sub> analytical Column.

## Featured Products

- [Alliance HPLC System <https://www.waters.com/534293>](https://www.waters.com/534293)

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