Waters™

应用纪要

Antidepressants in Plasma

Waters Corporation

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

Abstract

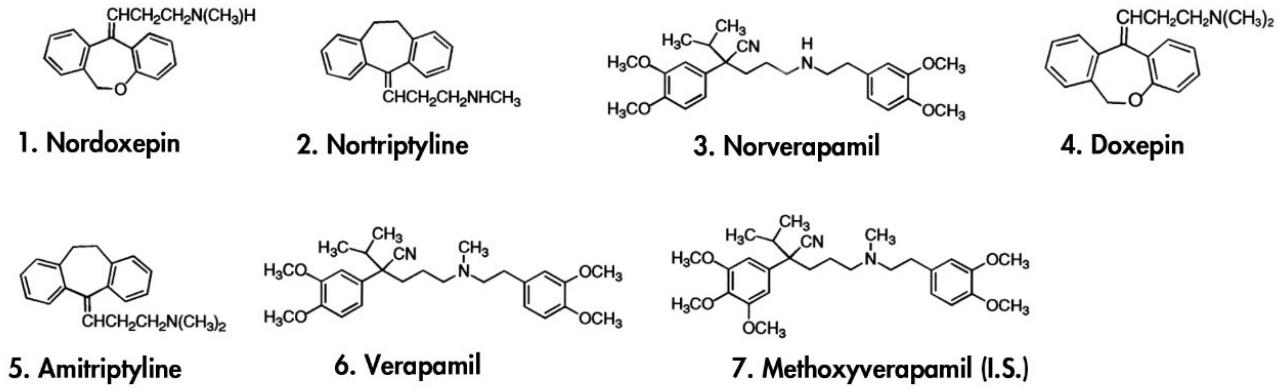
This application brief details on the analysis of antidepressants in plasma using Symmetry Columns.

Introduction

The compounds analyzed in this study are:

1. Nordoxepin
2. Nortriptyline
3. Norverapamil
4. Doxepin
5. Amitriptyline
6. Verapamil

7. Methoxyverapamil (I.S.)



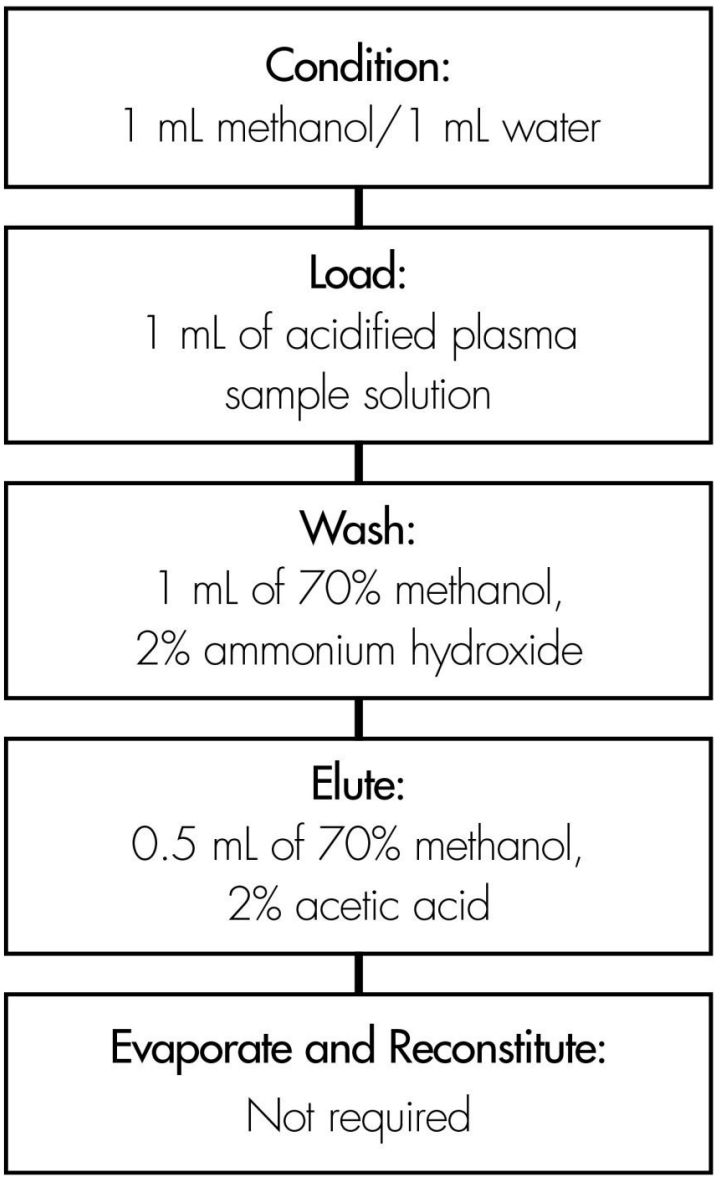
Experimental

HPLC Method

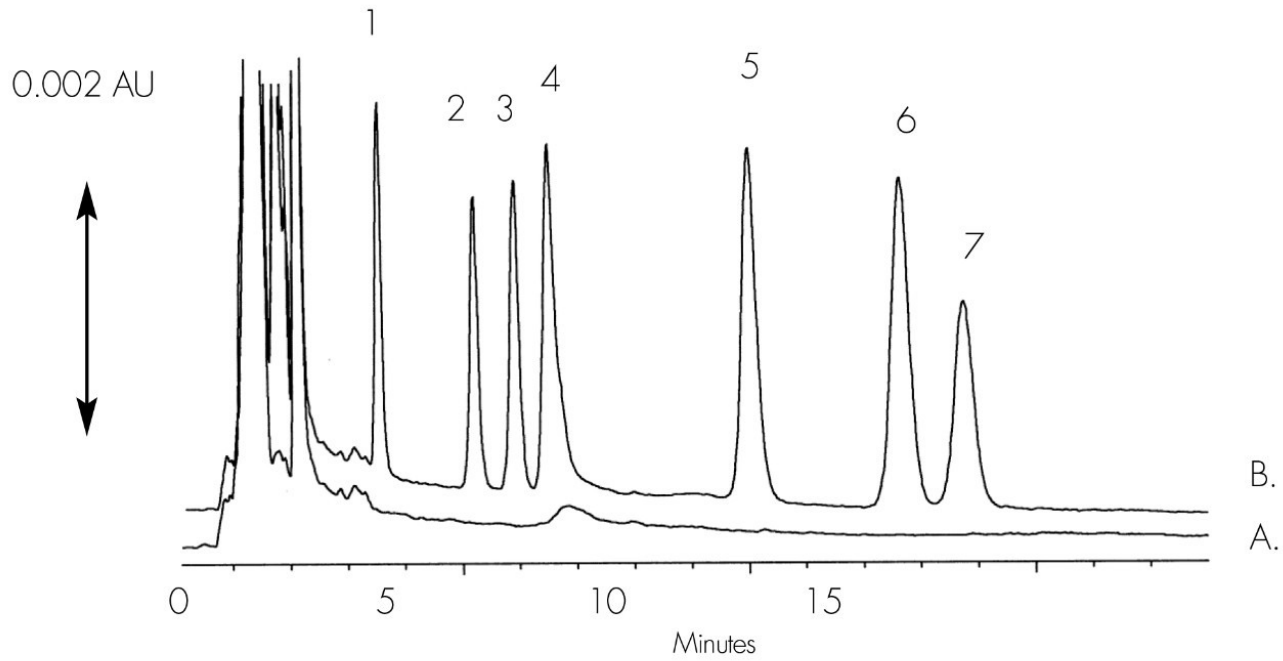
Column:	Symmetry Shield RP_8, 3.9 x 150 mm, 5 µm
Part number:	WAT200655
Mobile phase:	100 mM phosphate pH 7.0/acetonitrile/methanol 55:35:10
Flow rate:	1.0 mL/min
Injection volume:	100 µL acidified plasma sample solution
Temperature:	30 °C
Detection:	UV @ 230 nm

Oasis® HLB Extraction Method

Oasis® HLB 1 cc/30 mg Extraction Cartridge
Part Number WAT094225



Results and Discussion



Chromatogram of Plasma Extracts: A) Blank B) Spiked Sample.

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WA31763.29, June 2003