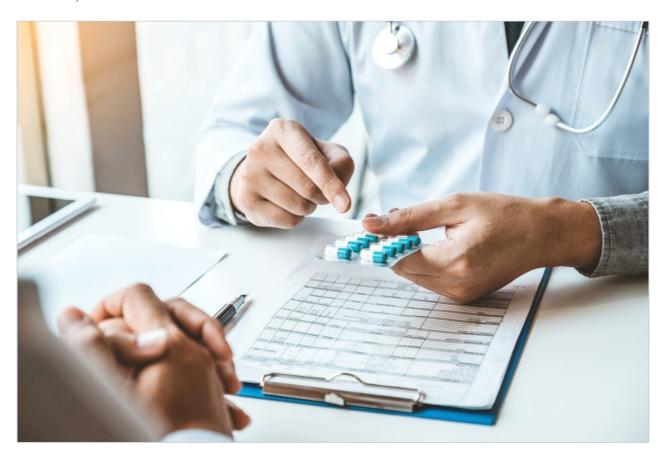
# Waters™

Nota de aplicación

## Tricyclic Antidepressants and Metabolites

Waters Corporation



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

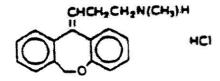
#### Abstract

This application brief demonstrates analysis of tricyclic antidepressants and metabolites.

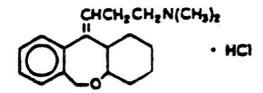
### Introduction

The compounds used in this study are -

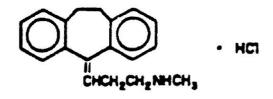
Compounds	USP Tailing Factors
Nordoxepin HCL	1.5
Doxepin HCL	1.5
Nortriptyline HCL	1.3
Amtriptyline HCL	1.2



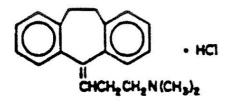
1. Nordoxepin HCL



2. Doxepin HCL



3. Nortriptyline HCL



4. Amtriptyline HCL

### Experimental

**HPLC** Method

Column:

Symmetry  $C_{18}$ , 3.9 x 150 mm, 5  $\mu m$ 

Part numbers: WAT046980

Mobile phase: 20 mM potassium phosphate, pH 7.0/methanol

29:71

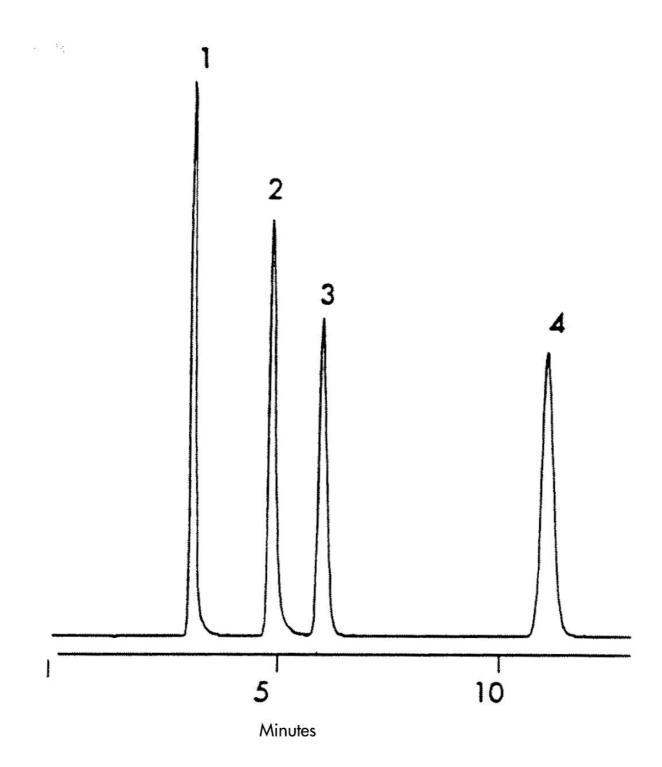
Flow rate: 1.0 mL/min

Injection volume: 5  $\mu$ L of 1 to 1.16 mg/mL

Temperature: 35 °C

Detection: UV @ 254 nm

#### Results and Discussion



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