

## Doxepin

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Waters Corporation



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

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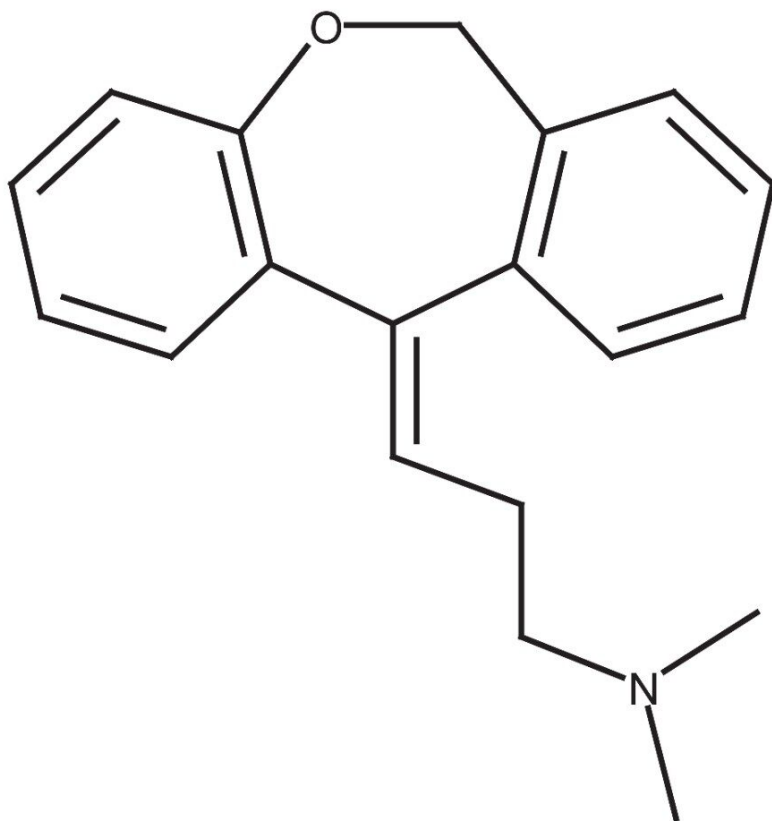
## Abstract

This application brief demonstrates analysis of doxepin.

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## Introduction

The compound analyzed in this study is doxepin.



# Doxepin

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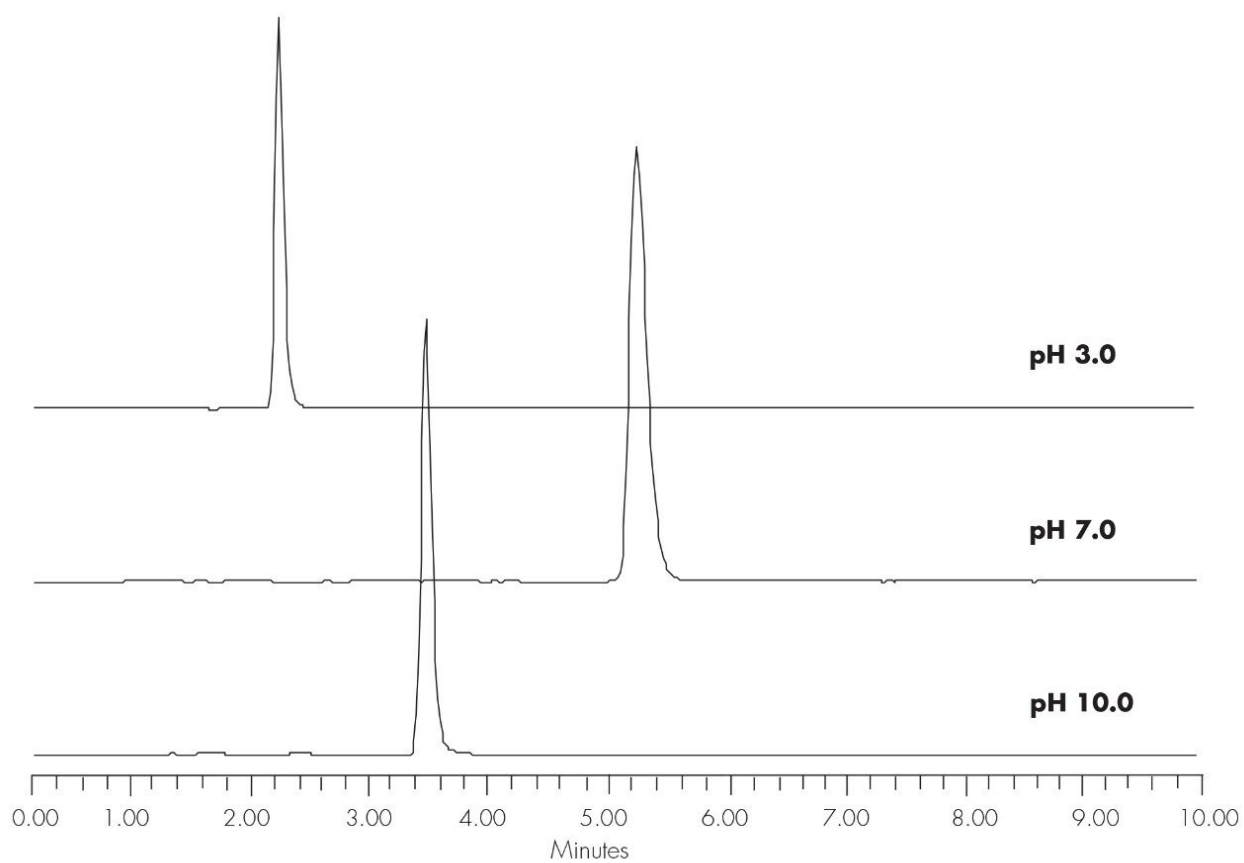
## Experimental

### Conditions

|                   |                                                                                                                                                                                                                                                                                 |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Column:           | Xterra RP <sub>18</sub> 4.6 x 150 mm, 5 µm                                                                                                                                                                                                                                      |
| Part number:      | 186000492                                                                                                                                                                                                                                                                       |
| Mobile phase:     | pH 3.0: H <sub>2</sub> O/ACN/100 mM NH <sub>4</sub> COOH, pH 3.0<br>40:50:10<br><br>pH 7.0: H <sub>2</sub> O/ACN/100 mM NH <sub>4</sub> HCO <sub>3</sub> , pH 7.0<br>50:40:10<br><br>pH 10.0 H <sub>2</sub> O/ACN/100 mM NH <sub>4</sub> HCO <sub>3</sub> , pH 10.0<br>20:70:10 |
| Flow rate:        | 1.0 mL/min                                                                                                                                                                                                                                                                      |
| Injection volume: | 5 µL of 250 µg/mL                                                                                                                                                                                                                                                               |
| Temperature:      | 30 °C                                                                                                                                                                                                                                                                           |
| Detection:        | UV @ 260 nm                                                                                                                                                                                                                                                                     |
| Instrument:       | Alliance 2695, 2996 PDA                                                                                                                                                                                                                                                         |
| Mobile Phase pH   | USP Tailing                                                                                                                                                                                                                                                                     |
| 3.0               | 1.25                                                                                                                                                                                                                                                                            |
| 7.0               | 1.36                                                                                                                                                                                                                                                                            |
| 10.0              | 1.17                                                                                                                                                                                                                                                                            |

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## Results and Discussion



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WA20738.044, June 2002

