

응용 자료

## Dextromethorphan

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Waters Corporation



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

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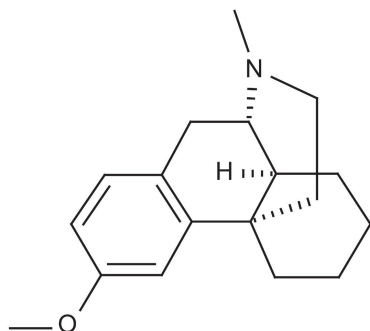
### Abstract

This application brief highlights the analysis of dextromethorphan using XTerra RP<sub>18</sub> columns.

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## Introduction

Dextromethorphan has been analyzed in this study.



Dextromethorphan

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## Experimental

### HPLC Conditions

|               |   |
|---------------|---|
| Column:       | XTerra RP <sub>18</sub> 4.6 x 150 mm, 5 μm (p/n: 186000492)   |
| Mobile phase: | At pH 3.0: H <sub>2</sub> O/ACN/100 mM NH <sub>4</sub> COOH, pH 3.0, 40:50:10<br>At pH 7.0: H <sub>2</sub> O/ACN/100 mM NH <sub>4</sub> HCO <sub>3</sub> , pH 7.0, 50:40:10<br>At pH 10.0: H <sub>2</sub> O/ACN/100 mM NH <sub>4</sub> HCO <sub>3</sub> , pH 10.0, 22:68:10 |
| Flow rate:    | 1.0 mL/min  |

Injection volume: 5 µL of 250 µg/mL

Temperature: 30 °C

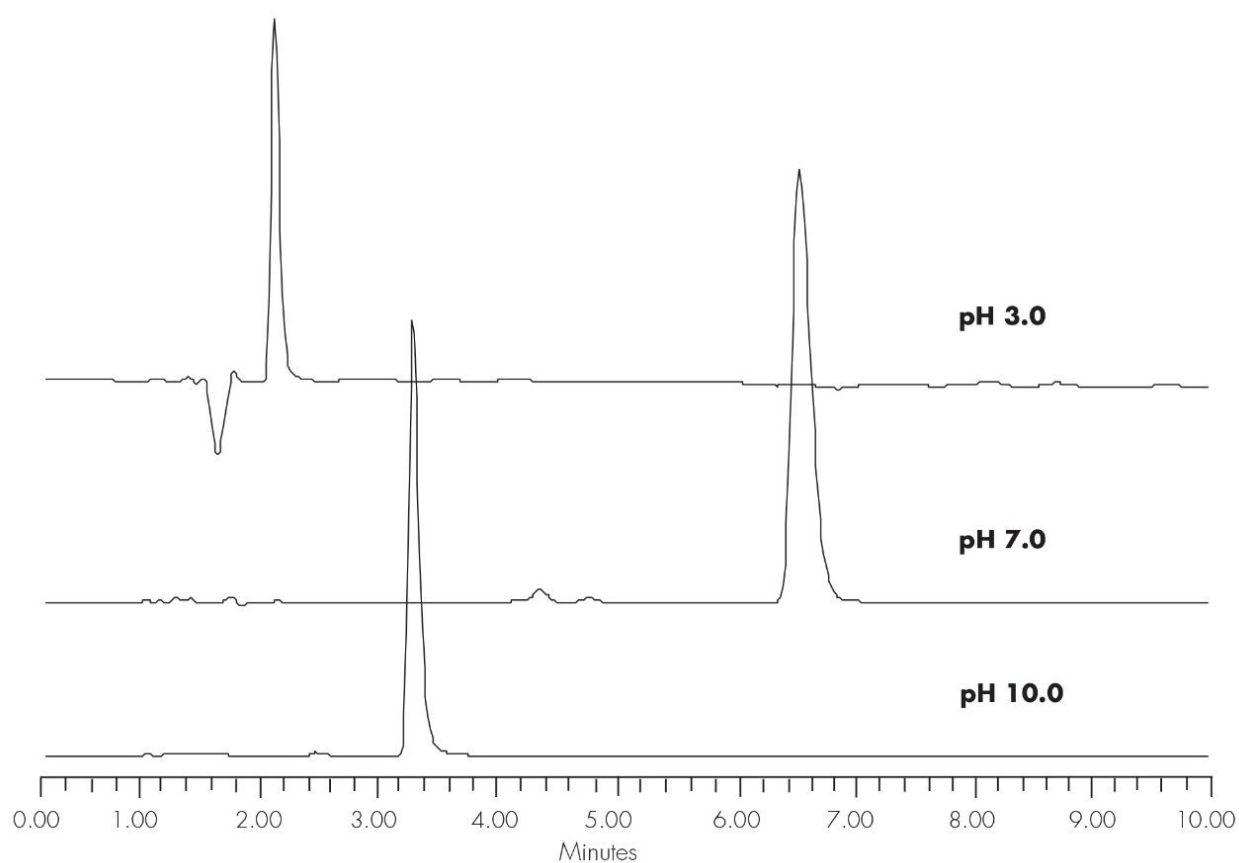
Detection: UV @ 228 nm

Instrument: Alliance 2695, 2996 PDA

| Mobile Phase pH | USP Tailing |
|-----------------|-------------|
| 3.0             | 1.25        |
| 7.0             | 1.39        |
| 10.0            | 1.39        |

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## Results and Discussion



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Alliance HPLC <<https://www.waters.com/514248>>

WA20738.033, June 2002