

## Dextromethorphan in a Cough Syrup

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Waters Corporation

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

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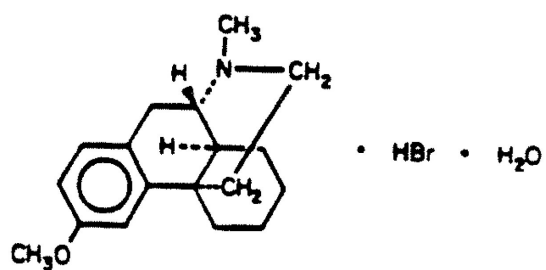
### Abstract

This application brief demonstrates the analysis of dextromethorphan using Symmetry Columns.

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### Introduction

The compound analyzed in this study is dextromethorphan.



1. Dextromethorphan

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## Experimental

### HPLC Method

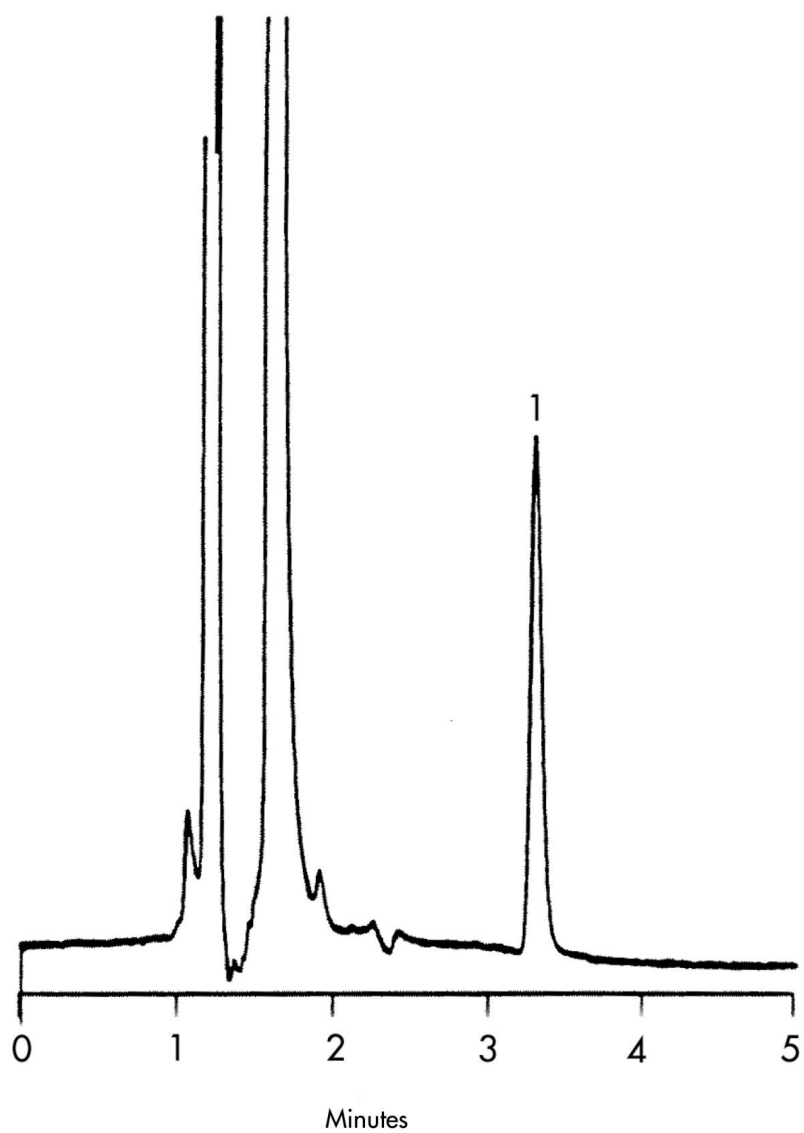
|                   |                                                      |
|-------------------|------------------------------------------------------|
| Column:           | Symmetry C <sub>8</sub> , 3.9 x 150 mm, 5 µm         |
| Guard column:     | Symmetry Guard Column 3.9 x 20 mm, 5 µm              |
| Part numbers:     | Column - WAT046970, Guard - WAT054250                |
| Mobile phase:     | 23 mM ammonium nitrate, pH 3.4/acetonitrile<br>30:70 |
| Flow rate:        | 1.0 mL/min                                           |
| Injection volume: | 20 µL of 100 µg/mL sample                            |
| Detection:        | UV @ 254 nm                                          |

### USP Tailing Factors

1. 0.95

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## Results and Discussion



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