

## Pseudoephedrine HCL and Codeine

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Waters Corporation



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

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### Abstract

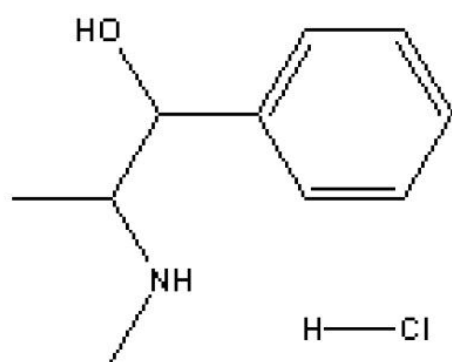
This application brief highlights the analysis of Pseudoephedrine HCL and Codeine using Symmetry Shield Columns.

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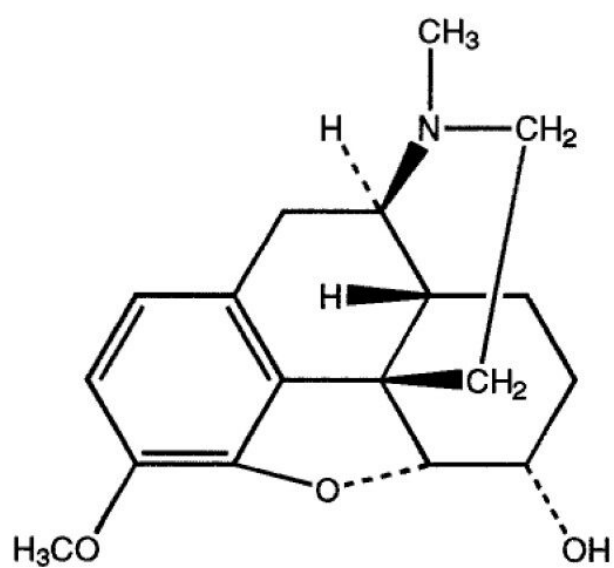
## Introduction

The compounds analyzed in this study are:

1. Pseudoephedrine HCL
2. Codeine



## 1. Pseudoephedrine HCL



## 2. Codeine

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Experimental

## HPLC Method

Column:	SymmetryShield RP <sub>8</sub> , 3.9 x 150 mm, 5 µm
Part number:	WAT200655
Mobile phase A:	50 mM potassium phosphate, pH 7
Mobile phase B:	Acetonitrile
Flow rate:	1.0 mL/min
Injection volume:	5 µL of 2 mg/mL pseudoephedrine and 0.2 mg/mL codeine
Detection:	UV @ 2541 nm

## Gradient

Time (min)	Profile	
	%A	%B
0	85	15
15	50	50

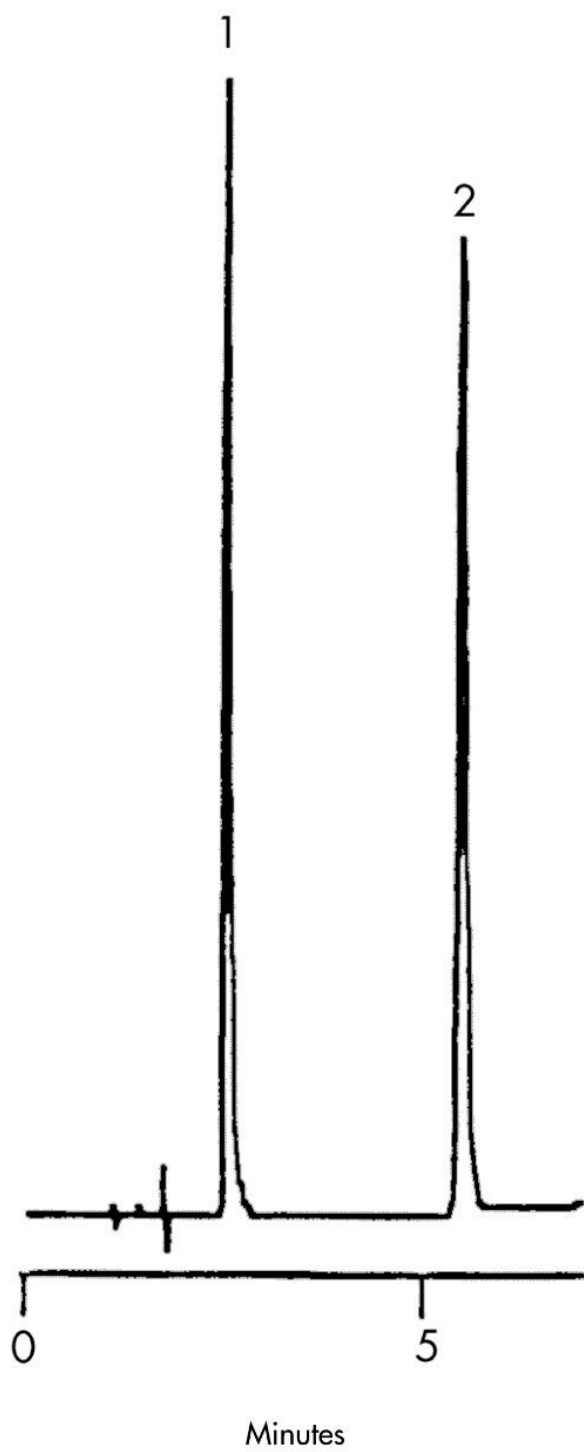
## USP Tailing Factors

1. 1.8

2. 1.1

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## Results and Discussion



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WA31763.139, June 2003

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