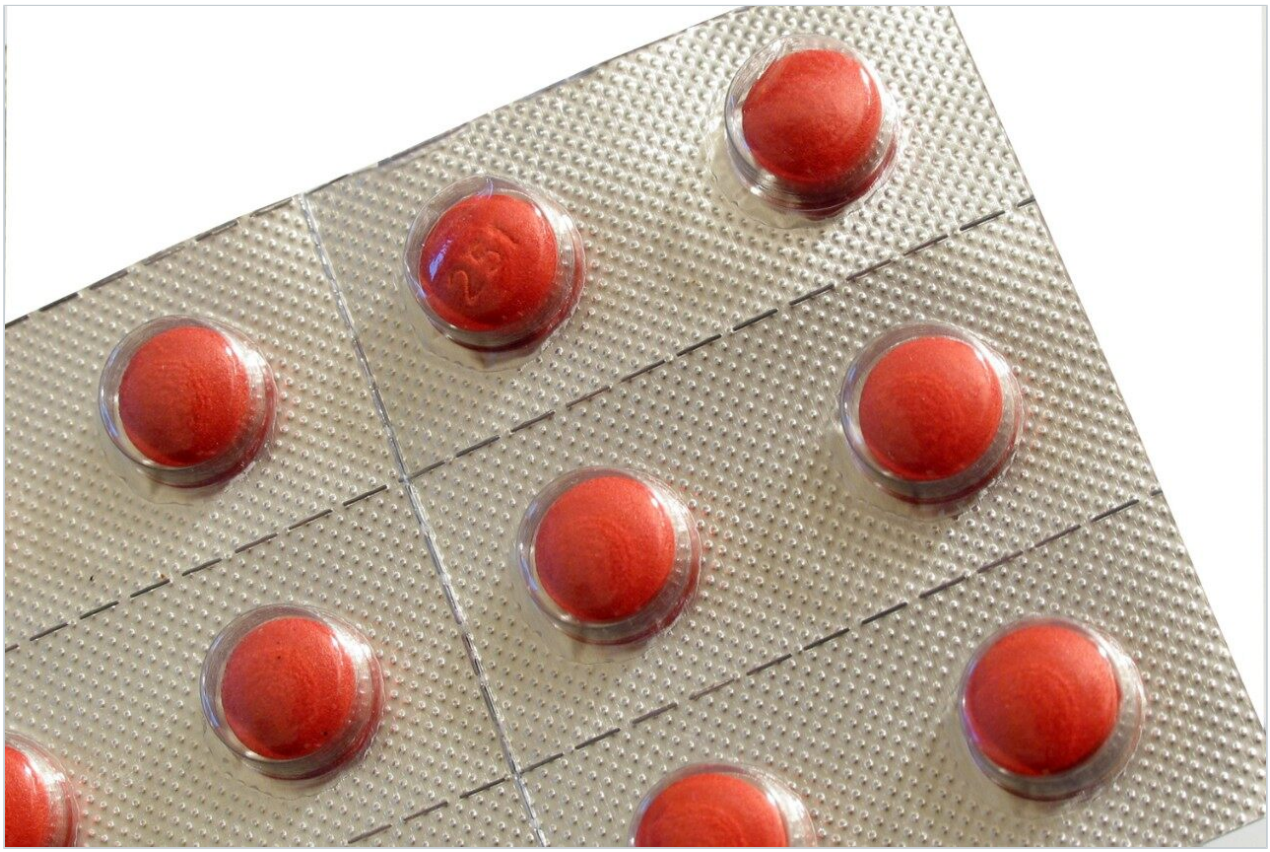
Waters™

アプリケーションノート

Pseudoephedrine HCL and Chlorpheniramine

Waters Corporation



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

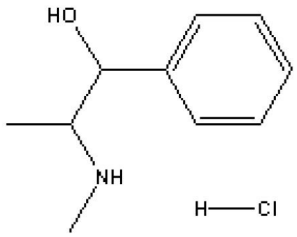
Abstract

This application brief highlights the analysis of Pseudoephedrine HCL and Chlorpheniramine using Symmetry columns.

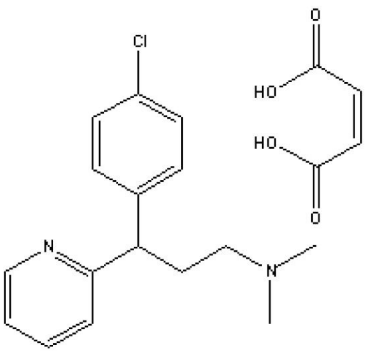
Introduction

The compounds analyzed in this study are:

1. Pseudoephedrine HCL
2. Chlorpheniramine



1. Pseudoephedrine HCL



2. Chlorpheniramine Maleate

Experimental

HPLC Method

Column:	Symmetry C_{18}, 3.9 x 150 mm, 5 µm
Part number:	WAT046970

Mobile phase A:	50 mM potassium phosphate, pH 3.0
Mobile phase B:	Acetonitrile
Flow rate:	1.0 mL/min
Injection volume:	5 µL of 1.8 mg/mL pseudoephedrine and 120 µg/mL chlorpheniramine sample
Detection:	UV @ 261 nm

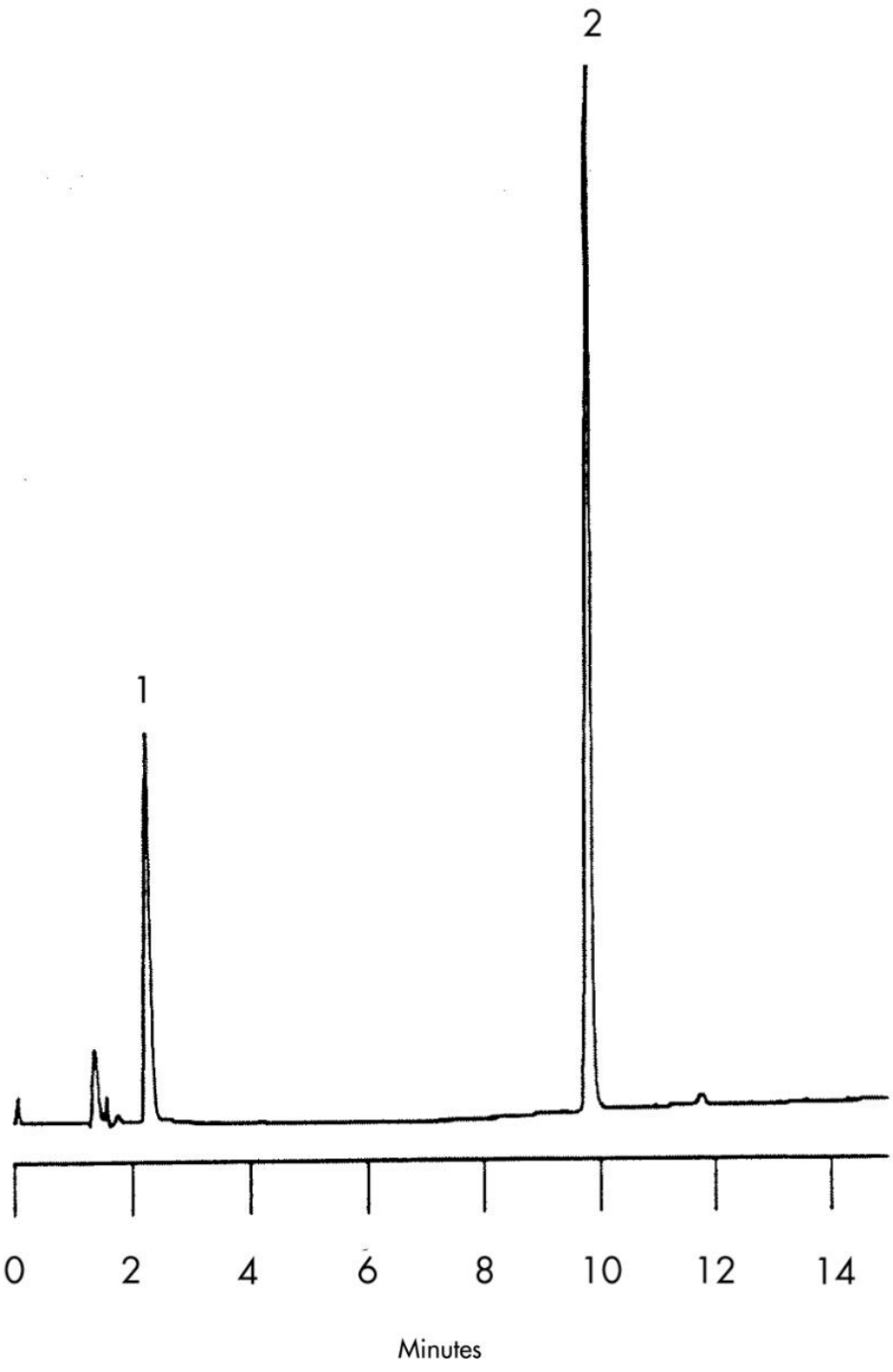
Gradient Table

Time (min)	Profile	
	%A	%B
0	85	15
1	85	15
15	50	50

USP Tailing Factors

1. 1.7
2. 1.2

Results and Discussion



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