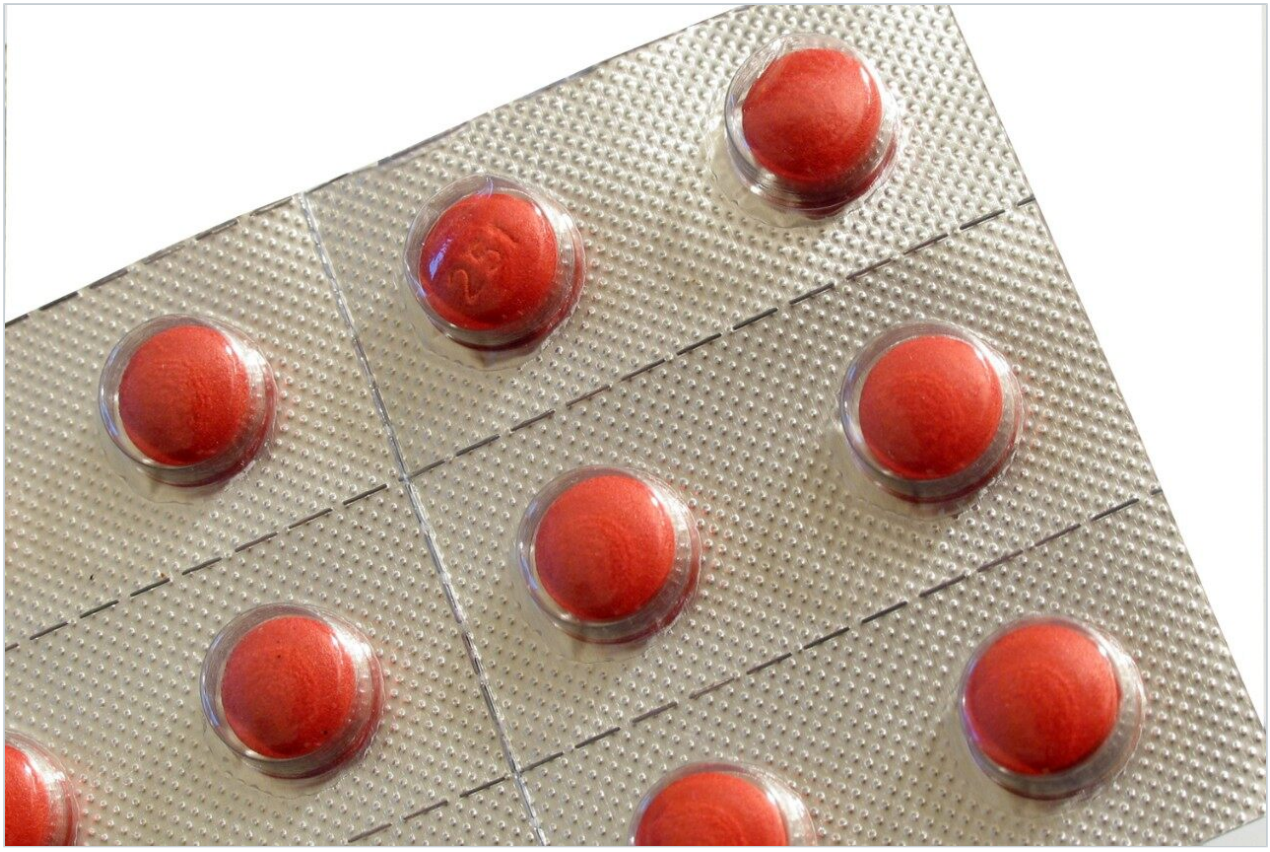
Waters™

Pseudoephedrine HCL and Triprolidine HCL

Waters Corporation



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

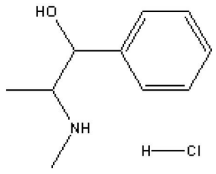
Abstract

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

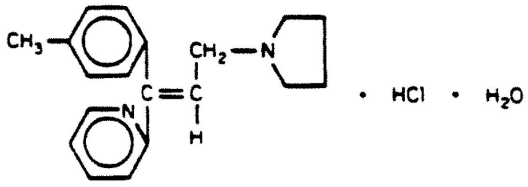
Introduction

The compounds analyzed in this study are:

1. Pseudoephedrine HCL
2. Triprolidine HCL



1. Pseudoephedrine HCL



2. Triprolidine HCL

Experimental

HPLC Method

Column:	Symmetry C_8, 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 A:	50 mM potassium phosphate, pH 3.0
Mobile phase B:	Acetonitrile
Flow rate:	1.0 mL/min
Injection volume:	5 µL of 2.88 µg/mL pseudoephedrine and 120 µg/mL triprolidine extracted tablet sample
Detection:	UV @ 261 nm

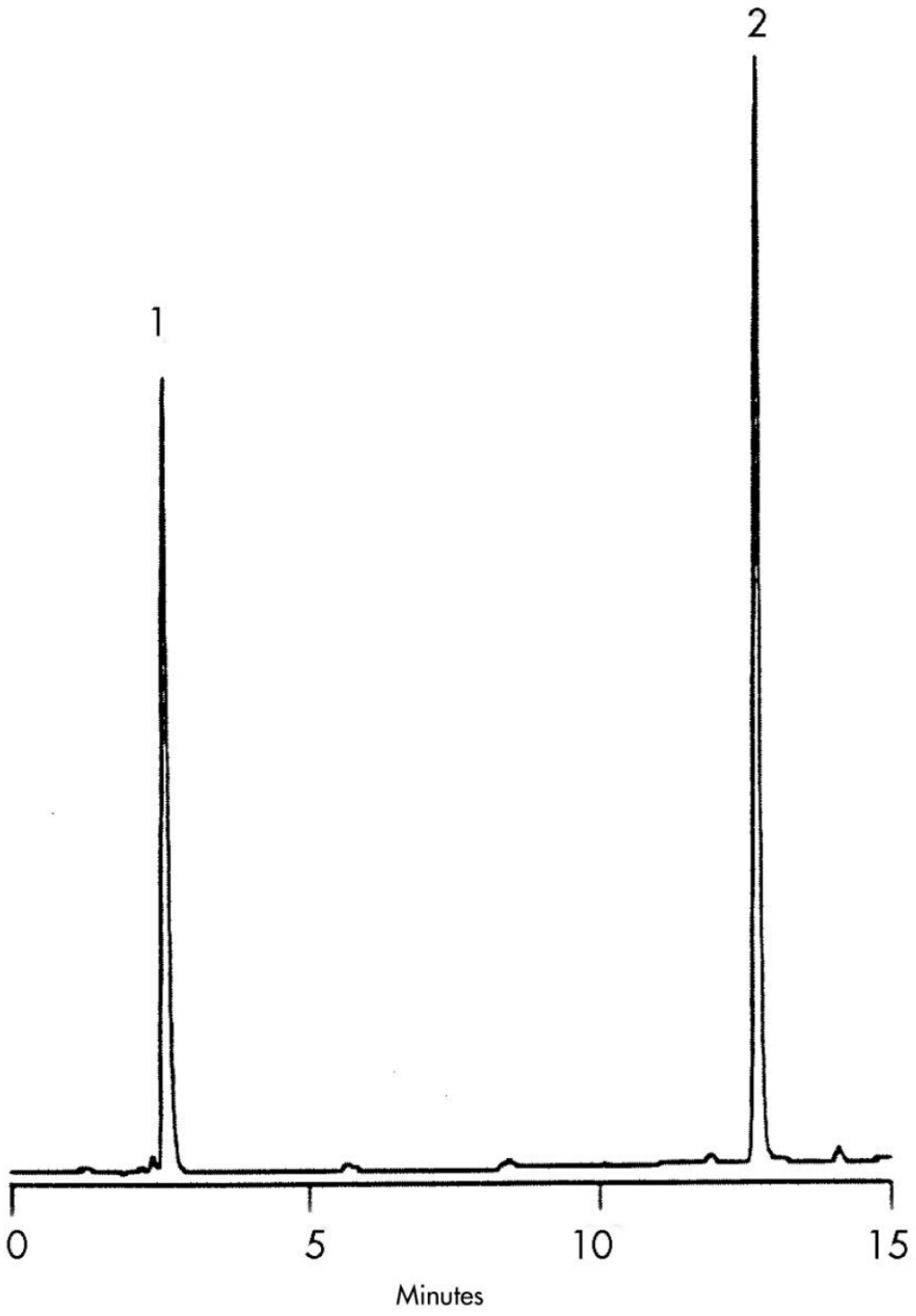
Gradient Table

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

USP Tailing Factors

1. 1.53
2. 1.16

Results and Discussion



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