

Application Note

Pseudoephedrine HCL and Triprolidine HCL

Waters Corporation



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

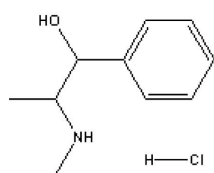
Abstract

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

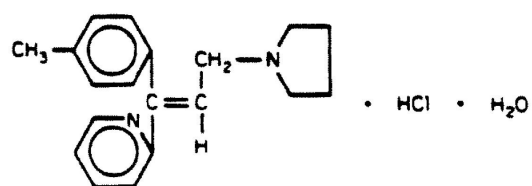
Introduction

The compounds analyzed in this study are:

1. Pseudoephedrine HCL
2. Triprolidine HCL



1. Pseudoephedrine HCL



2. Triprolidine HCL

Experimental

HPLC Method

Column:

Symmetry C₈, 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

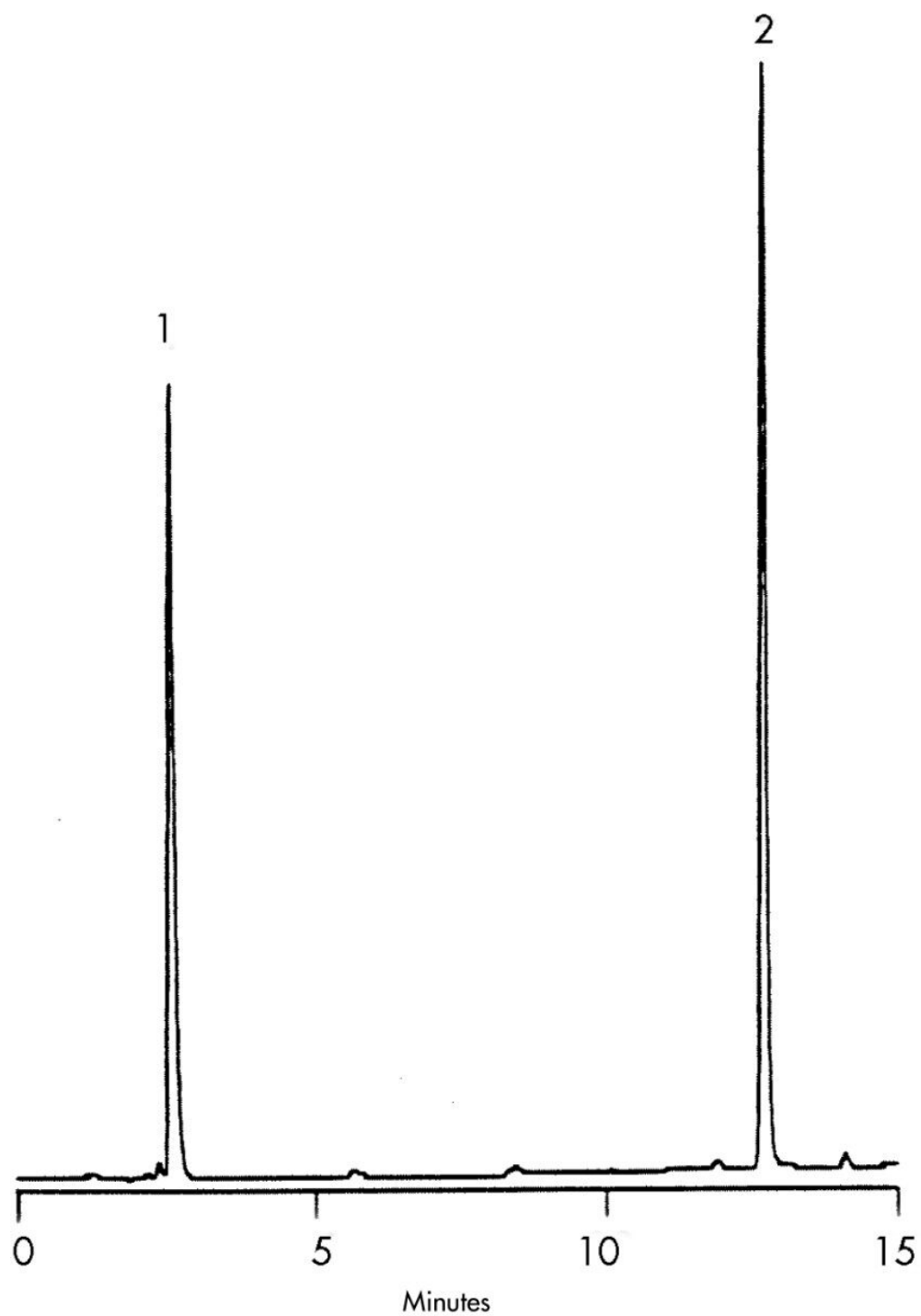
Time (min)	Profile	
	%A	%B
0	85	15
1	85	15
15	50	50

USP Tailing Factors

1. 1.53

2. 1.16

Results and Discussion



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WA31763.138, June 2003

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