



Cold Products

Waters Corporation



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

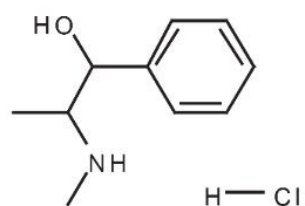
Abstract

This application brief highlights the analysis of cold products using XTerra MS C₁₈ columns.

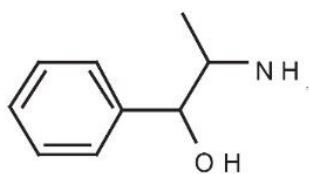
Introduction

Compounds used in this application brief are:

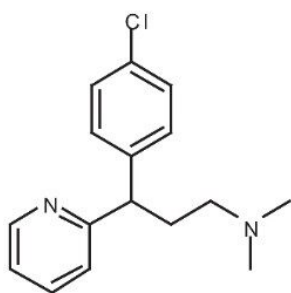
1. Maleic acid
2. Phenylpropanolamine
3. Pseudoephedrine
4. Chlorpheniramine



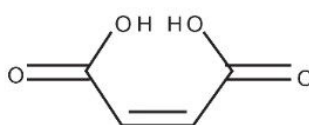
Pseudoephedrine



Phenylpropanolamine



Chlorpheniramine



Maleic acid

Experimental

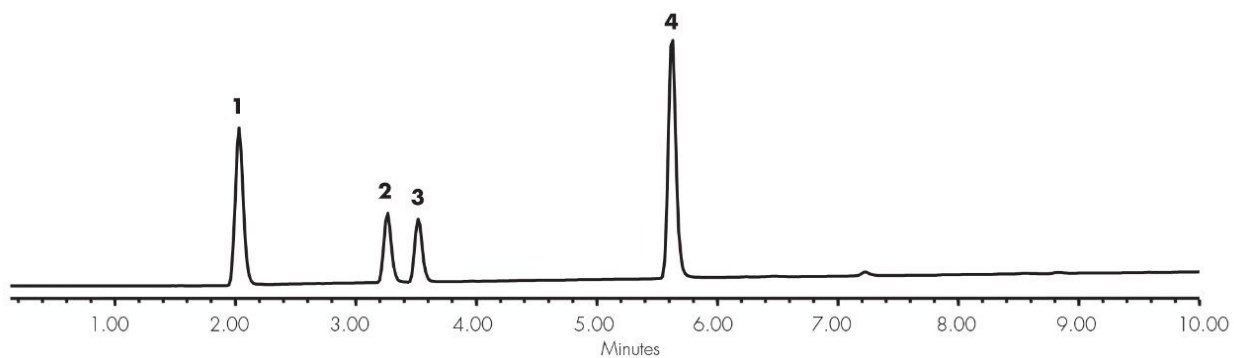
HPLC Conditions

Column:	XTerra MS C ₁₈ 2.1 x 150 mm, 5 µm (p/n: 186000491)
Mobile phase A:	H ₂ O
Mobile phase B:	ACN
Mobile phase C:	100 mM NH ₄ COOH, pH 3.8
Flow rate:	1.0 mL/min
Injection volume:	10 µL
Temperature:	30 °C
Detection:	UV @ 254 nm
Instrument:	Alliance 2695, 2996 PDA

Gradient

Time (min)	Profile		
	%A	%B	%C
0.0	85	5	10
10.0	0	90	10

Results and Discussion



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Alliance HPLC <<https://www.waters.com/514248>>

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