Waters™

Cold Products

Waters Corporation

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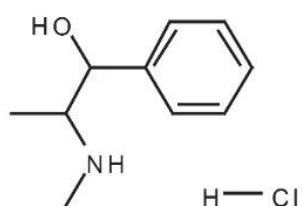
Abstract

This application brief highlights the analysis of cold products using XTerra MS C$_{18}$ columns.
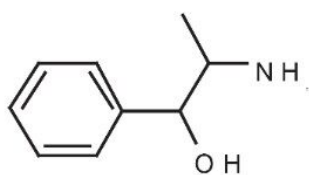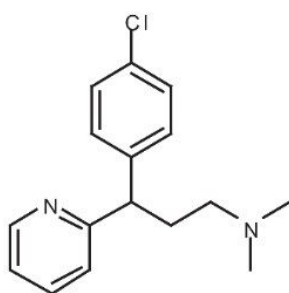
Introduction

Compounds used in this application brief are:

1. Maleic acid

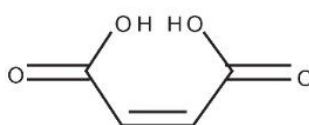2. Phenylpropanolamine

3. Pseudoephedrine

4. Chlorpheniramine

HO

Pseudoephedrine

NH

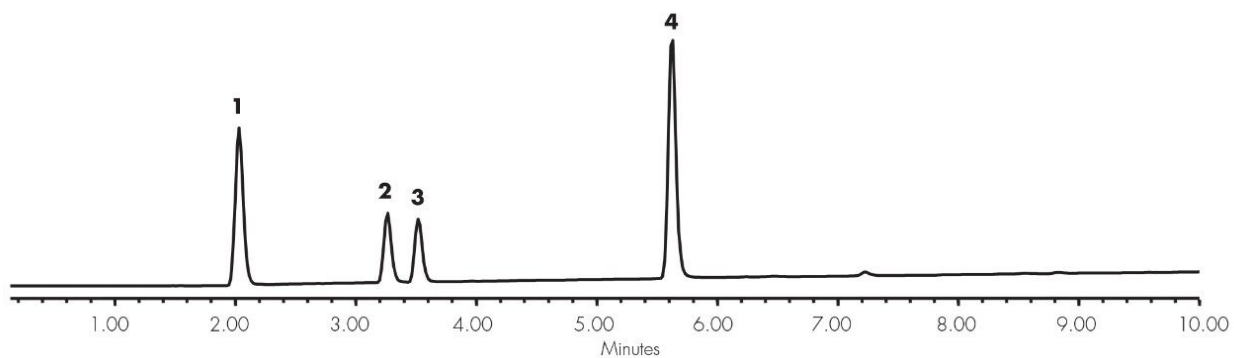H — Cl

Phenylpropanolamine

NH

OH

Chlorpheniramine

Cl

N

N

OH HO

O=

=O

Maleic acid

Experimental

HPLC Conditions

Column:	XTerra MS C_{18} 2.1 x 150 mm, 5 µm (p/n: 186000491)
Mobile phase A:	H_2O
Mobile phase B:	ACN
Mobile phase C:	100 mM NH_4COOH, 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

Featured Products

WA20738.028, June 2002