

Chlorpheniramine - XTerra Phenyl Columns

Waters Corporation



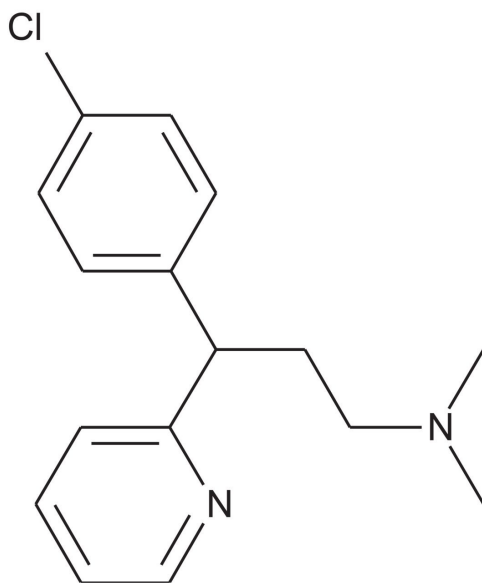
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief highlights the analysis of chlorpheniramine using XTerra Phenyl Columns.

Introduction

The compound analyzed in this study is chlorpheniramine.



Chlorpheniramine

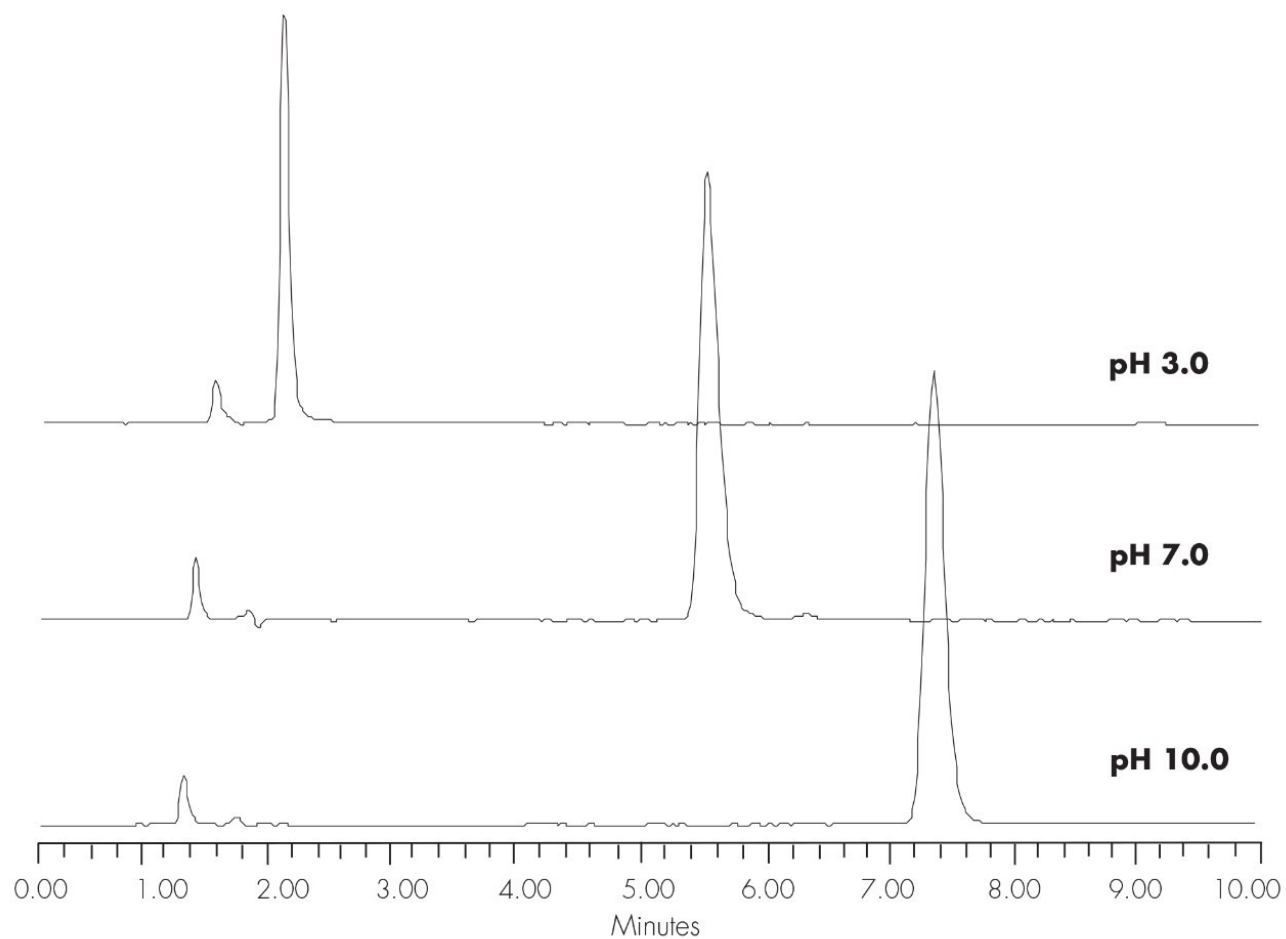
Experimental

Conditions

Column:	XTerra RP ₁₈ 4.6 x 150 mm, 5 µm
Part number:	186000492
Mobile phase:	pH 3.0: H ₂ O/ACN/100 mM NH ₄ COOH, pH 3.0 45:45:10 pH 7.0: H ₂ O/ACN/100 mM NH ₄ HCO ₃ , pH 7.0

	55:35:10
	pH 10.0 H ₂ O/ACN/100 mM NH ₄ HCO ₃ , pH 10.0
	50:40:10
Flow rate:	1.0 mL/min
Injection volume:	5 µL of 250 µg/mL
Temperature:	30°C
Detection:	UV @ 270 nm
Instrument:	Alliance 2695, 2996 PDA
Mobile Phase pH	USP Tailing
3.0	1.29
7.0	1.43
10.0	1.19

Results and Discussion



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- [Alliance HPLC System <https://www.waters.com/534293>](https://www.waters.com/534293)
- [2998 Photodiode Array \(PDA\) Detector <https://www.waters.com/1001362>](https://www.waters.com/1001362)

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