



Dextromethorphan

Waters Corporation



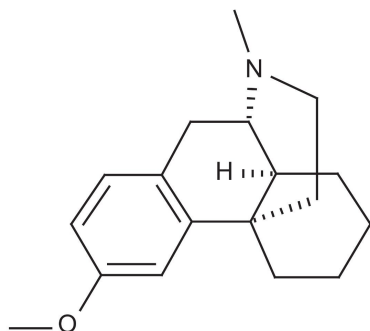
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief highlights the analysis of dextromethorphan using XTerra RP₁₈ columns.

Introduction

Dextromethorphan has been analyzed in this study.



Dextromethorphan

Experimental

HPLC Conditions

Column:	XTerra RP ₁₈ 4.6 x 150 mm, 5 μm (p/n: 186000492)
Mobile phase:	At pH 3.0: H ₂ O/ACN/100 mM NH ₄ COOH, pH 3.0, 40:50:10 At pH 7.0: H ₂ O/ACN/100 mM NH ₄ HCO ₃ , pH 7.0, 50:40:10 At pH 10.0: H ₂ O/ACN/100 mM NH ₄ HCO ₃ , pH 10.0, 22:68:10
Flow rate:	1.0 mL/min

Injection volume: 5 µL of 250 µg/mL

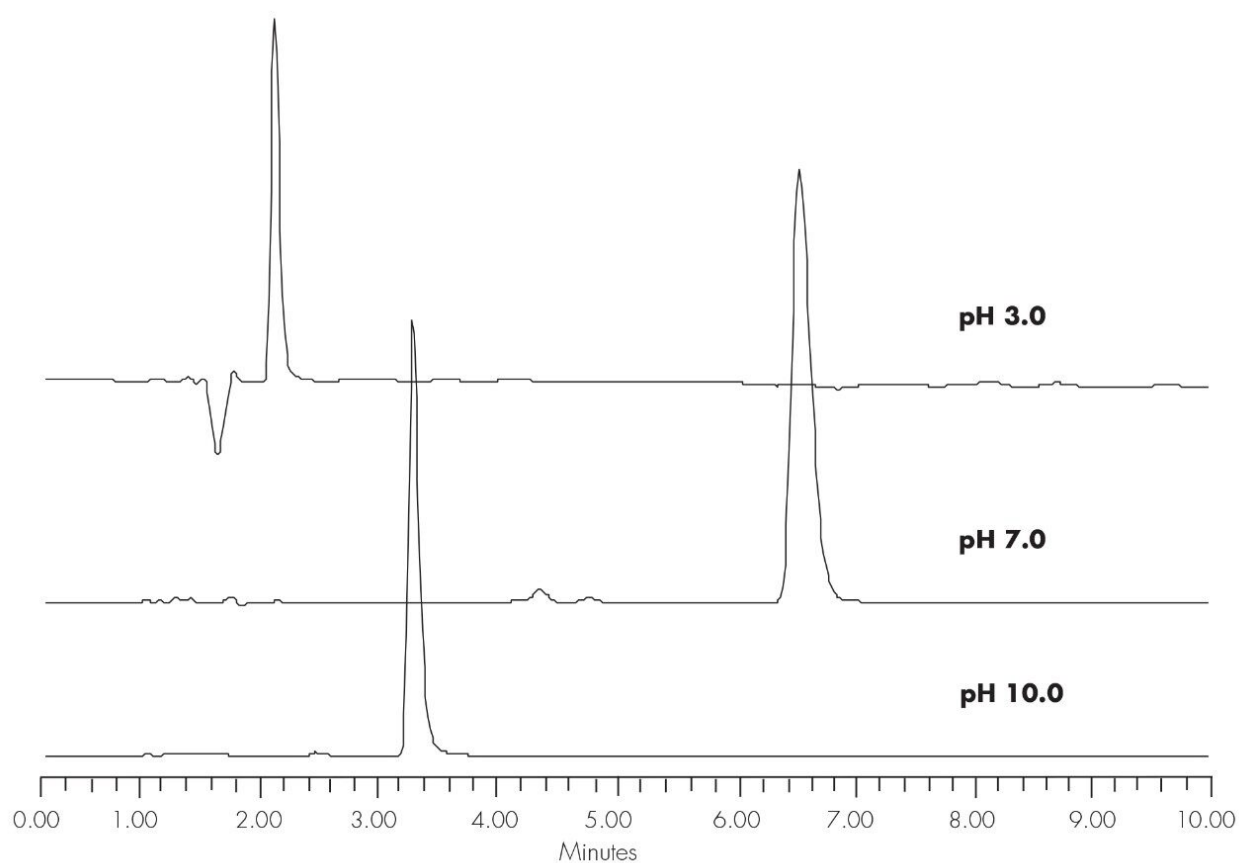
Temperature: 30 °C

Detection: UV @ 228 nm

Instrument: Alliance 2695, 2996 PDA

Mobile Phase pH	USP Tailing
3.0	1.25
7.0	1.39
10.0	1.39

Results and Discussion



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