Waters™

Application Note

Atenolol

Waters Corporation

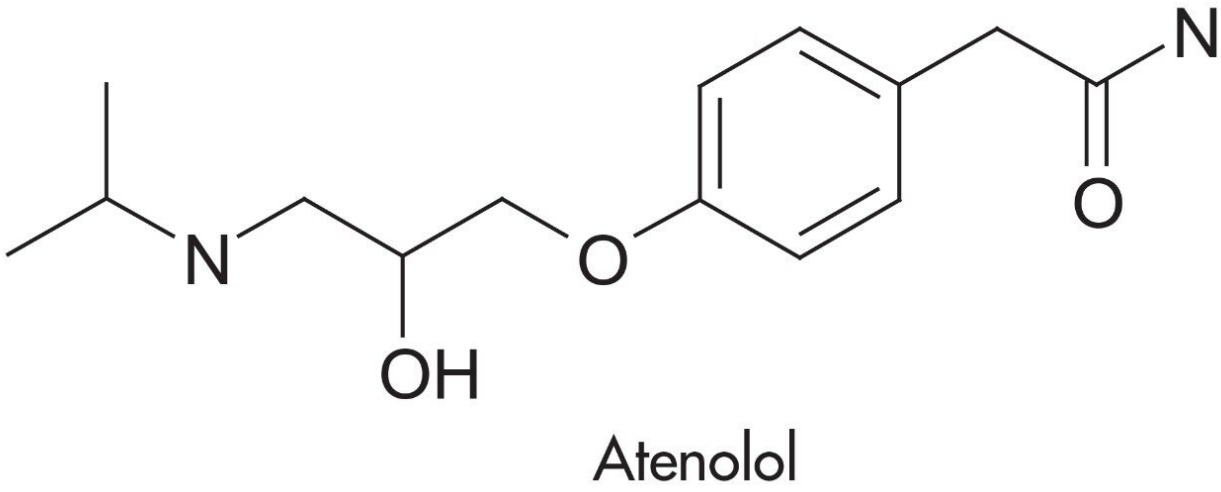
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief demonstrates analysis of atenolol.

Introduction

The compound analyzed in this study is atenolol.



Atenolol

Experimental

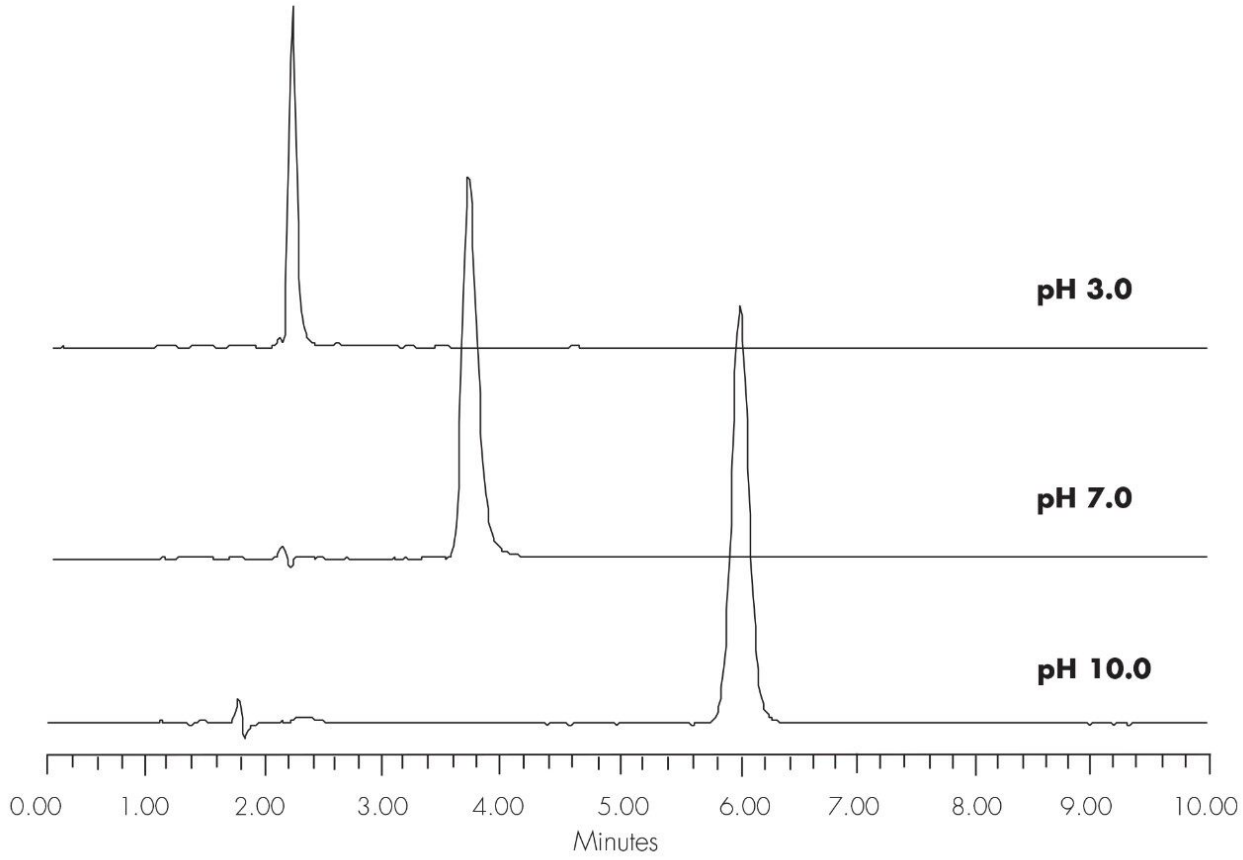
Conditions

Column:	Xterra RP_{18} 4.6 x 50 mm, 5 µm
Part number:	186000492
Mobile phase:	pH 3.0: H_2O/ACN/100 mM NH_4COOH, pH 3.0 75:15:10 pH 7.0: H_2O/ACN/100 mM NH_4HCO_3, pH 7.0 80:10:10 pH 10.0 H_2O/ACN/100 mM NH_4HCO_3, pH 10.0 78:12:10

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	1.21
7.0	1.38
10.0	1.06

Results and Discussion



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