

Isocratic Analysis of Amoxicillin Using Atlantis T3 Columns

Waters Corporation



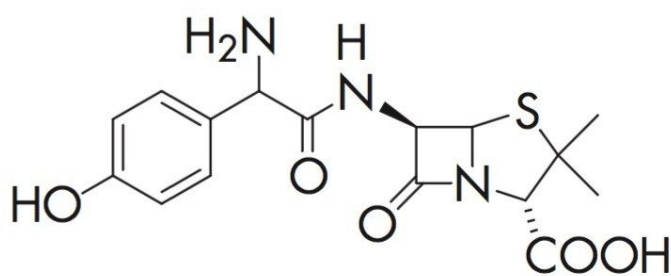
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief demonstrates isocratic analysis of amoxicillin using Atlantis T3 Columns.

Introduction

The compound used in this study is amoxicillin.



Amoxicillin

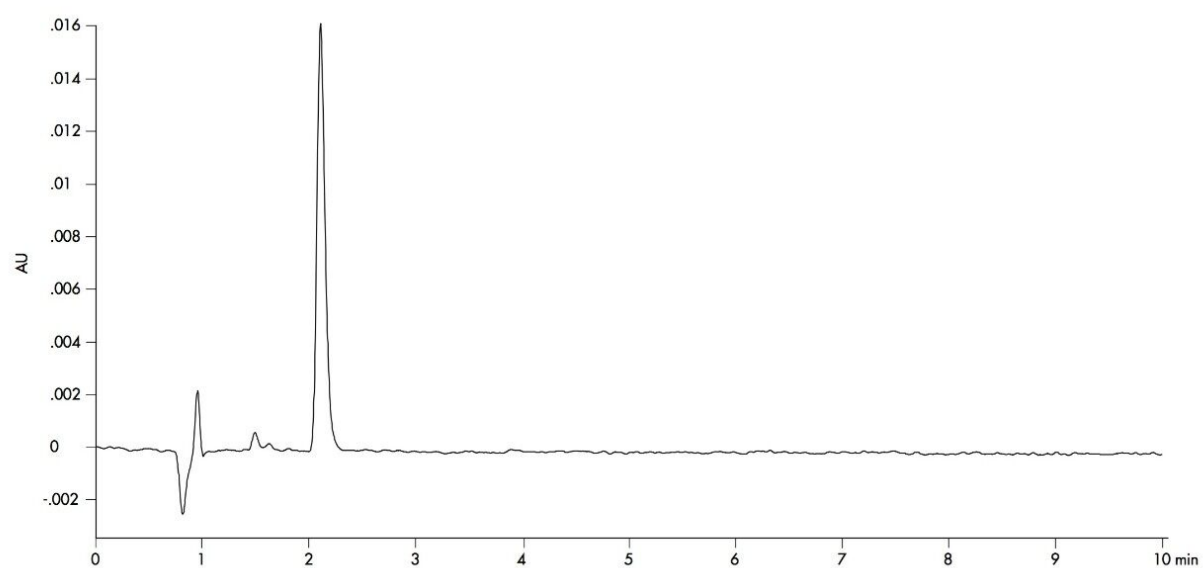
Experimental

Test Conditions

Column:	Atlantis T3, 4.6 x 50 mm, 3 μ m
Part number:	186003726
Mobile phase A:	H ₂ O
Mobile phase B:	ACN
Mobile phase C:	100 mM HCOONH ₄ , pH 3.0

Flow rate:	1.0 mL/min
Isocratic mobile phase composition:	84% A; 6% B; 10% C
Injection volume:	20 µL
Sample:	Amoxicillin (40 µg/mL) in H ₂ O
Column temperature:	30 °C
Sample temperature:	20 °C
Detection:	UV @ 254 nm
Sampling rate:	5 point/sec
Filter response:	0.2
Instrument:	Waters Alliance 2695 with 2996 PDA

Results and Discussion



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