

Application Note

Amoxicillin and Clavulanate Potassium Augmentin Tablet

Waters Corporation

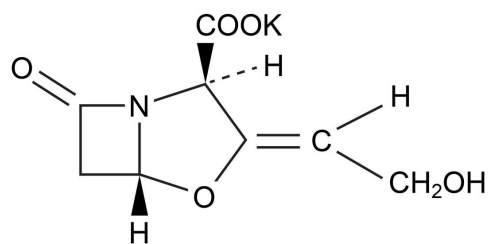
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

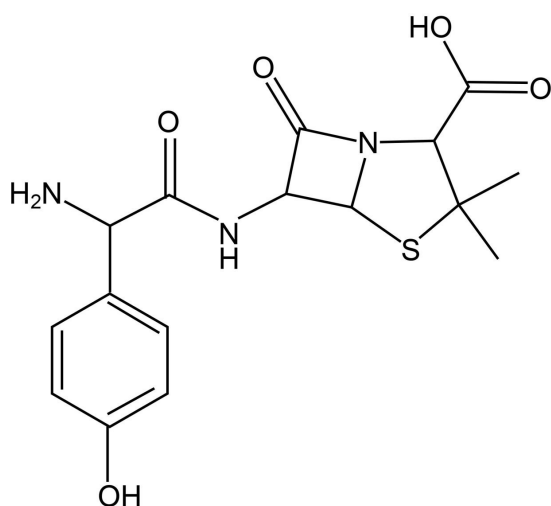
This application brief highlights about analysis of amoxicillin and clavulanate tablets using symmetry C₈ Column.

Introduction

Structures



1. Clavulanate



2. Amoxicillin

Experimental

HPLC Method

Column:

Symmetry C₈, 3.9 x 150 mm, 5 μm

Part number:

WAT046980

Mobile phase:	56 mM sodium phosphate, pH 4.4/methanol 95:5
Flow rate:	1.0 mL/min
Injection volume:	10 µL of 100 µg/mL amoxicillin and 25 µg/mL clavulante extracted tablet sample at 10 to 39 µg/mL
Detection:	UV @ 220 nm

USP Tailing Factors

1. 1.2

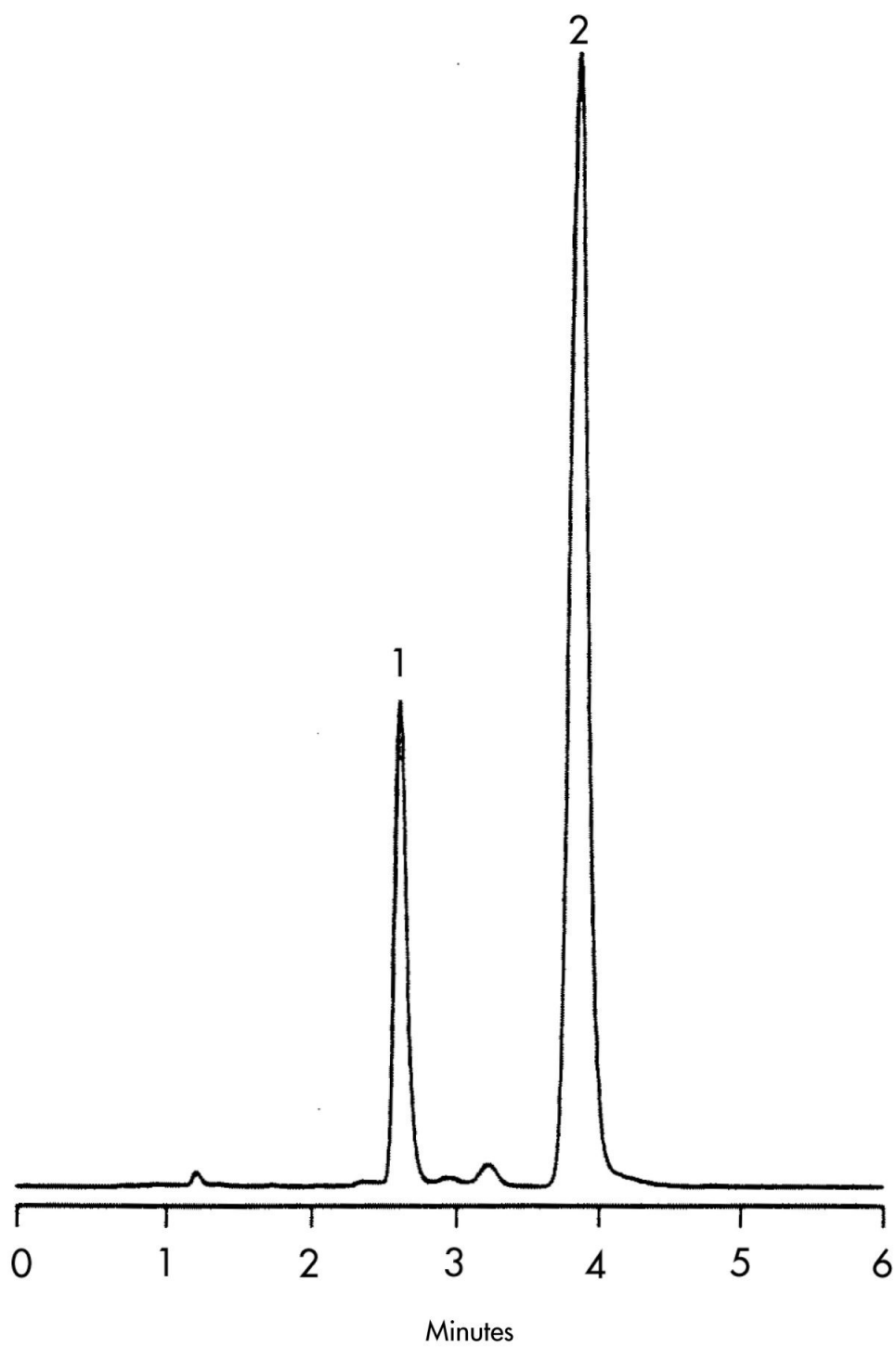
2. 1.1

Results and Discussion

The compounds analyzed in this study are:

1. Clavulanate

2. Amoxicillin



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