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Application Note

Sulfamethoxazole and Trimethoprim

Waters Corporation



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

Abstract

This application brief highlights the analysis of Sulfamethoxazole and Trimethoprim using Symmetry Columns.

Introduction

Compounds used in this study are:

- 1. Trimethoprim
- 2. Sulfamethoxazole

1. Trimethoprim

2. Sulfamethoxazole

Experimental

HPLC Method

Column: Symmetry C_{18} , 3.9 x 20 mm, 5 μ m IS (p/n:

WAT046980)

Mobile phase: Water/methanol/glacial acetic acid 79:20:1

Flow rate: 1.0 mL/min

Injection volume: 10 μ L of 100 μ g/mL sulfamethoxazole and 30 μ

g/mL trimethroprim

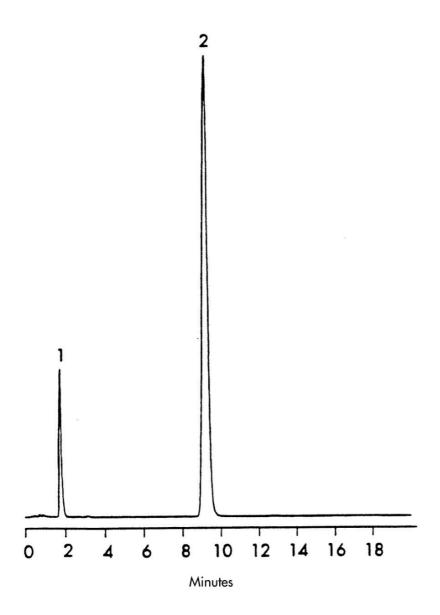
Detection: UV @ 254 nm

USP Tailing Factors

1. 1.5

2. 1.1

Results and Discussion



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