

Sulfamethoxazole and Trimethoprim

Waters Corporation



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

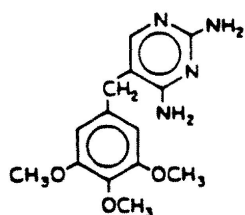
Abstract

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

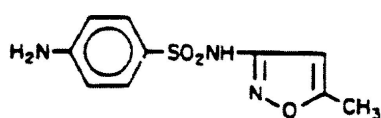
Introduction

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 µm IS (p/n: WAT046980)
Mobile phase:	Water/methanol/glacial acetic acid 79:20:1
Flow rate:	1.0 mL/min
Injection volume:	10 µL of 100 µg/mL sulfamethoxazole and 30 µg/mL trimethoprim

Detection:

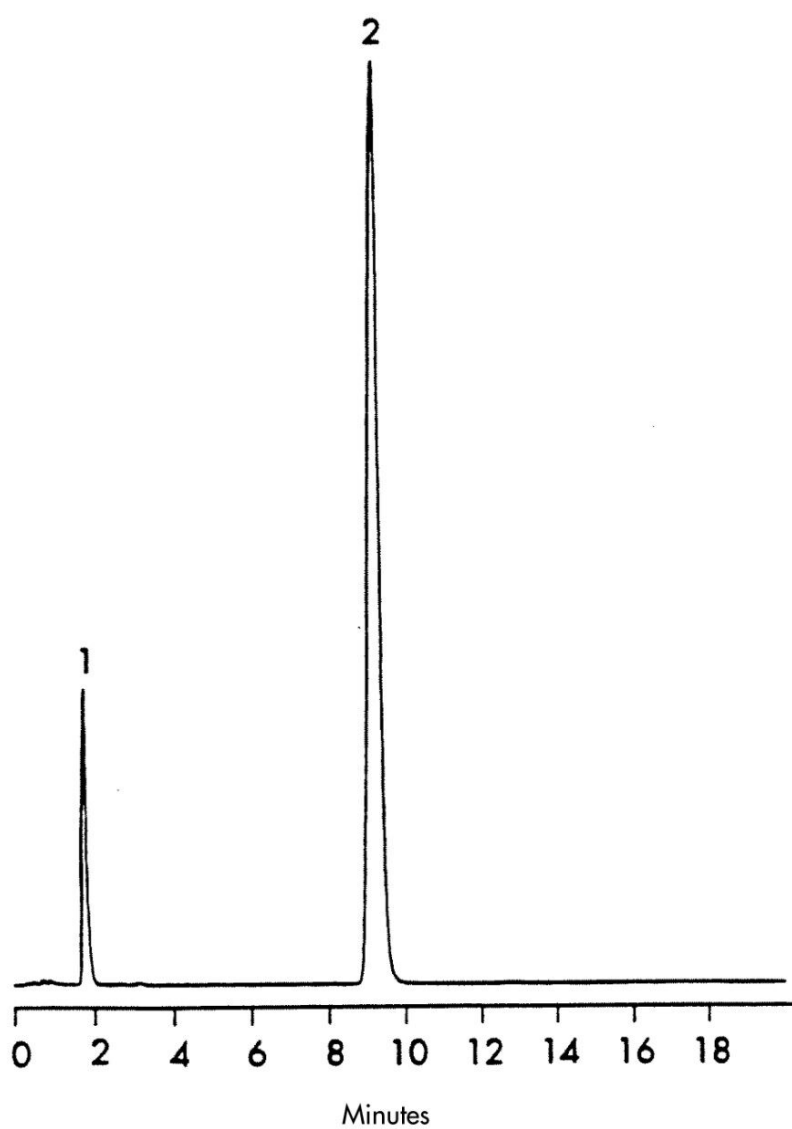
UV @ 254 nm

USP Tailing Factors

1. 1.5

2. 1.1

Results and Discussion



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