Waters™

Application Note

Sulfa Drugs – 2.1 x 20 mm Intelligent Speed Separation

Waters Corporation

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

Abstract

This application brief highlights the analysis of sulfa drugs using Intelligent Speed Separation Symmetry columns.

Introduction

Compounds used in this study are:

1. Sulfadiazine

2. Sulfathiazole

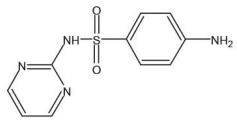
3. Sulfamerazine

4. Sulfadimidine

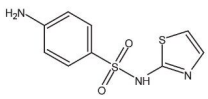
5. Sulfamethoxazole

6. Sulfisoxazole

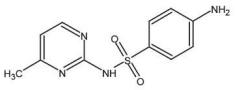
7. Sulfadimethoxine



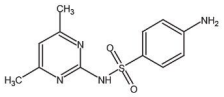
1. Sulfadiazine



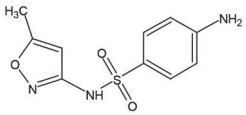
2. Sulfathiazole



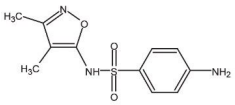
3. Sulfamerazine



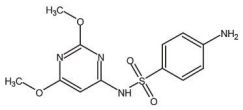
4. Sulfadimidine



5. Sulfamethoxazole



6. Sulfisoxazole



7. Sulfadimethoxine

Experimental

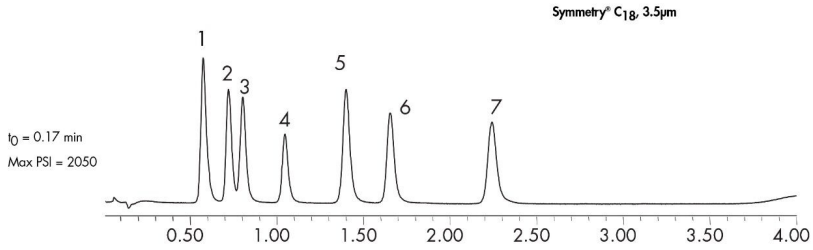
HPLC Method

Column:	Symmetry C_{18}, 2.1 x 20 mm, 3.5 µm IS (p/n: 186002066)
Mobile phase A:	0.1% HCOOH in Water
Mobile phase B:	0.1% HCOOH in MeOH
Flow rate:	0.6 mL/min
Injection volume:	10 µL
Temperature:	30° C
Detection:	UV @ 270 nm

Gradient

Time (min)	Profile	
	%A	%B
0	100	0
4	50	50

Results and Discussion



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