

## Sulfa Drugs – 4.6 x 20 mm Intelligent Speed Separation

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Waters Corporation



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

### Abstract

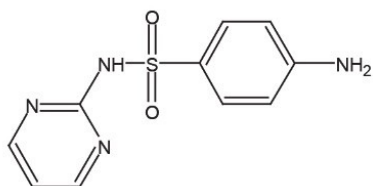
This application brief highlights the analysis of sulfa drugs using Intelligent Speed Symmetry Columns.

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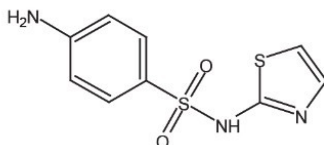
## Introduction

Compounds used in this study are:

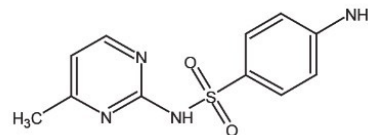
1. Sulfadiazine
2. Sulfathiazole
3. Sulfamerazine
4. Sulfadimidine
5. Sulfamethoxazole
6. Sulfisoxazole
7. Sulfadimethoxine



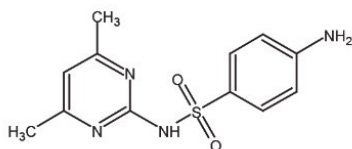
**1. Sulfadiazine**



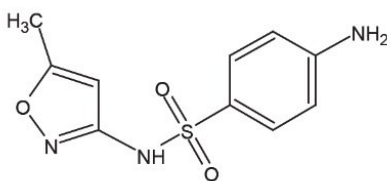
**2. Sulfathiazole**



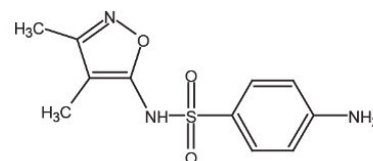
**3. Sulfamerazine**



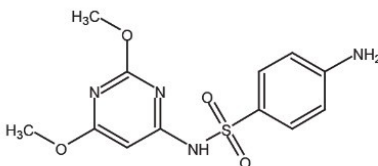
**4. Sulfadimidine**



**5. Sulfamethoxazole**



**6. Sulfisoxazole**



**7. Sulfadimethoxine**

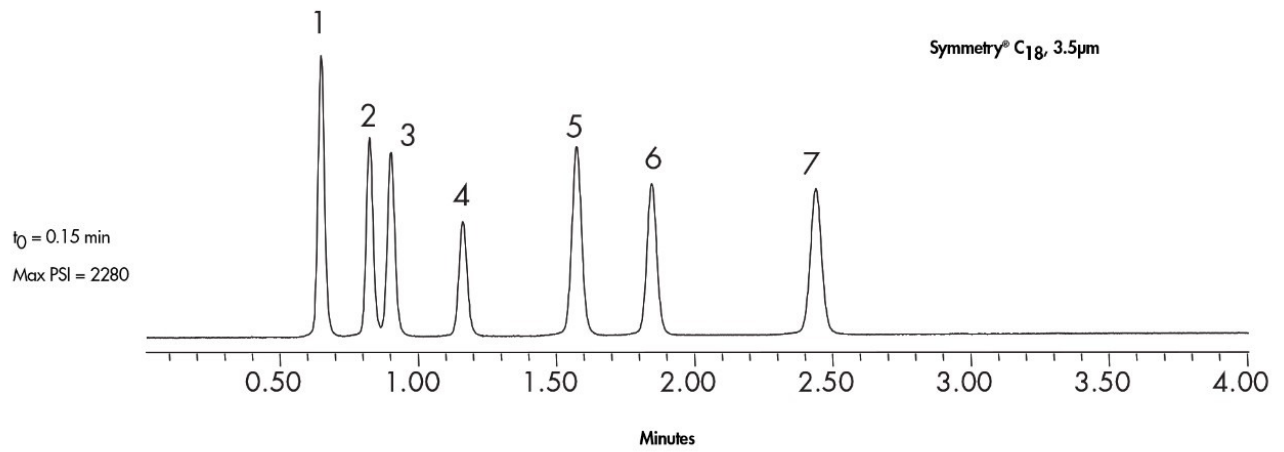
## Experimental

### HPLC Method

Column:	Symmetry C <sub>18</sub> , 4.6 x 20 mm, 3.5 μm IS (p/n: 186002090)
Mobile phase A:	0.1% HCOOH in Water
Mobile phase B:	0.1% HCOOH in MeOH
Flow rate:	3.0 mL/min
Injection volume:	10 μL
Temperature:	30° C
Detection:	UV @ 270 nm

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

## Results and Discussion



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WA31763.157, June 2003



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