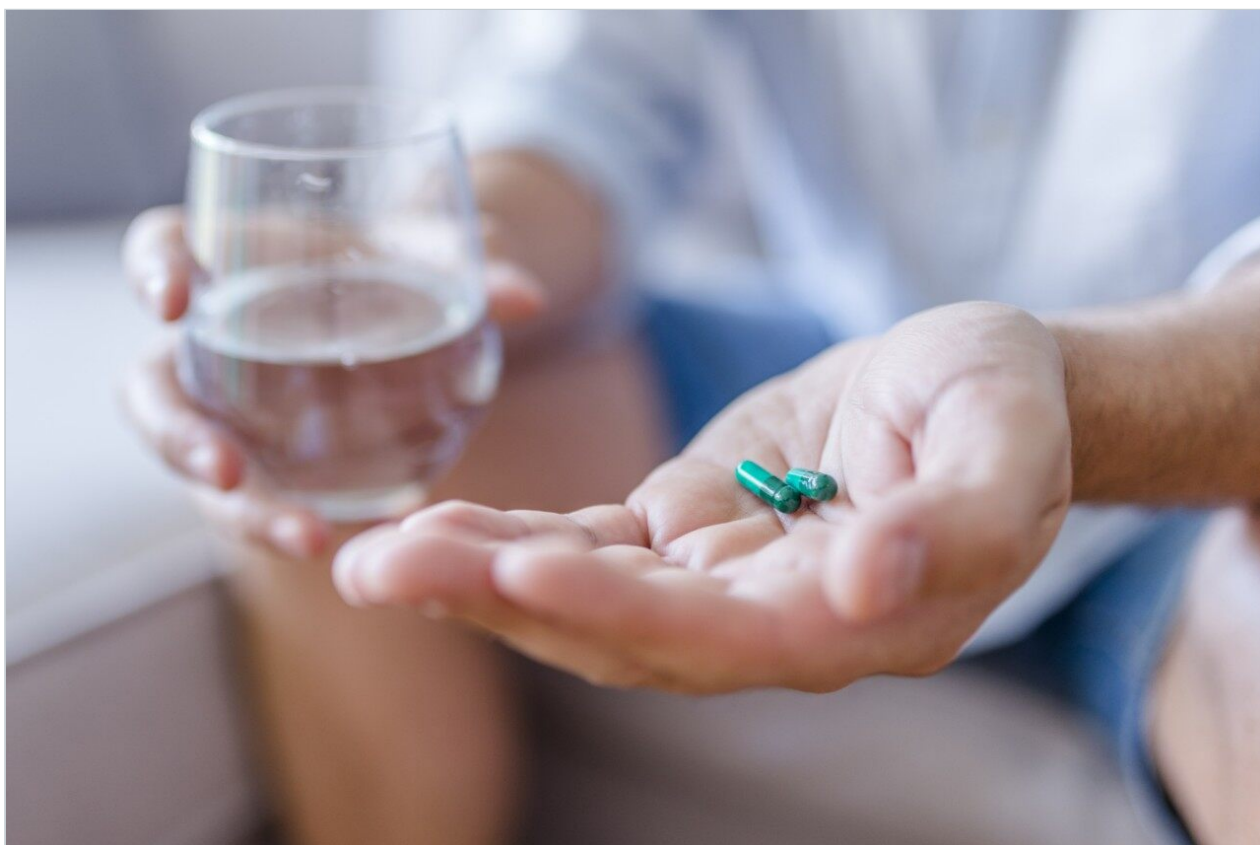


アプリケーションノート

## Sulfa Drugs

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Waters Corporation



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

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### Abstract

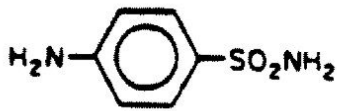
This application brief demonstrates analysis of sulfa drugs.

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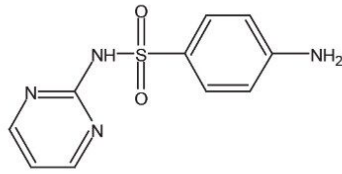
## Introduction

The compounds used in this study are -

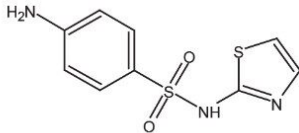
Compounds	USP Tailing Factors
Sulfanilamide	1.27
Sulfadiazine	1.19
Sulfathiazole	1.18
Sulfamerazine	1.15
Sulfamethazine	1.12
Succinylsulfathiazole	1.11



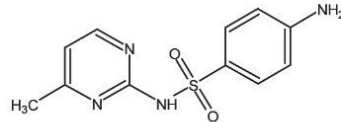
1. Sulfanilamide



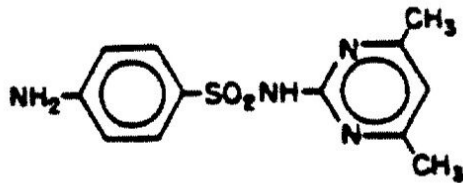
2. Sulfadiazine



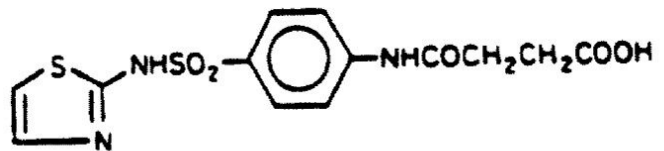
3. Sulfathiazole



4. Sulfamerazine



5. Sulfamethazine



6. Succinylsulfathiazole

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## Experimental

### HPLC Method

Column:	Symmetry C <sub>8</sub> , 3.9 x 150 mm, 5 μm
Guard column:	Sentry Guard Column 3.9 x 20 mm, 5 μm
Part numbers:	Column - WAT046970, Guard - WAT054250
Mobile phase:	Water/methanol/glacial acetic acid 79:20:1
Flow rate:	1.0 mL/min

Injection volume:

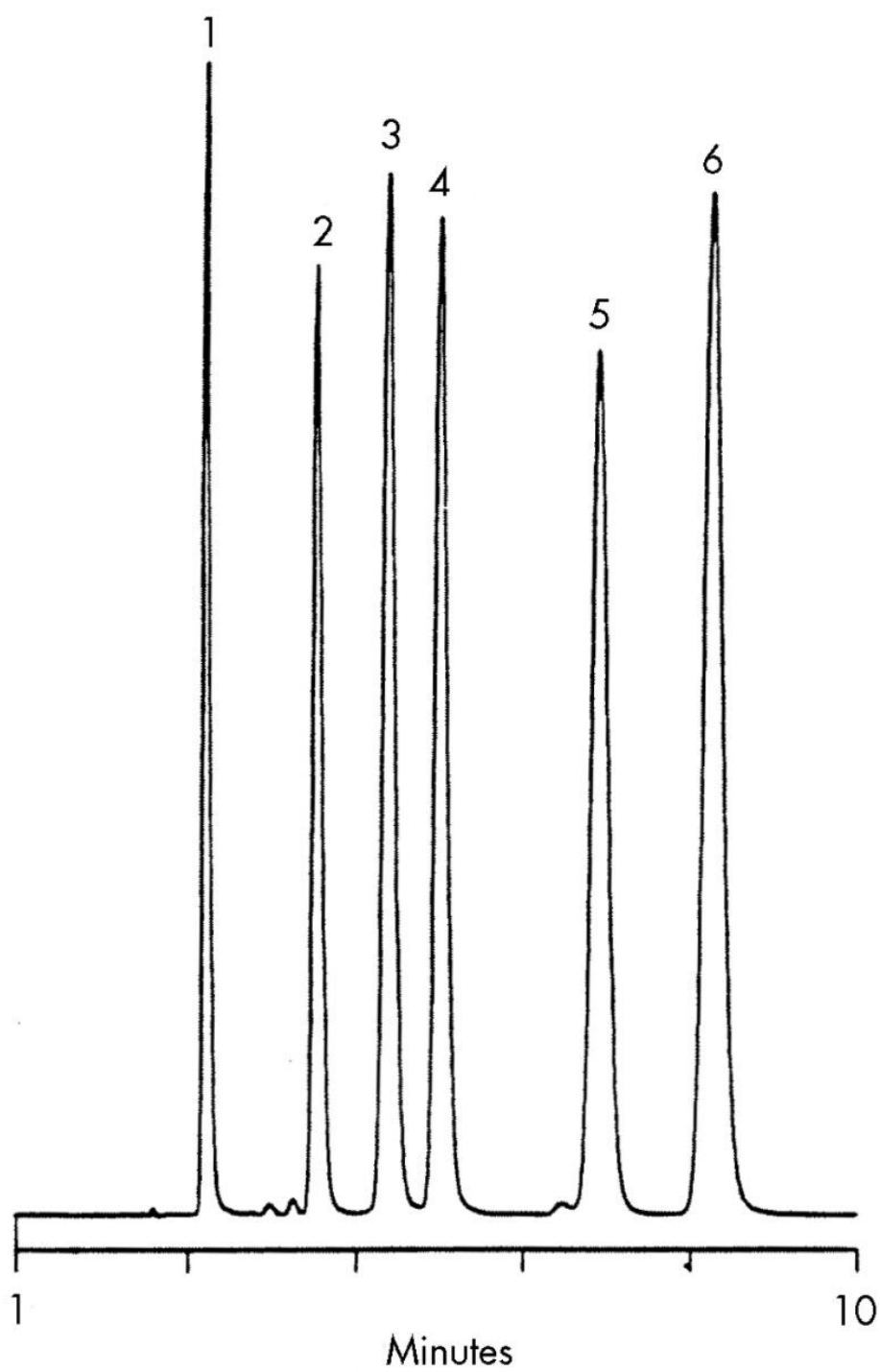
10  $\mu\text{L}$  of sample with components at 10 to 39  $\mu\text{g/mL}$

Detection:

UV @ 254 nm

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## Results and Discussion



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Featured Products

WA31763.154, June 2003

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