

Sulfonamides – 4.6 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 demonstrates analysis of Sulfonamides.

Introduction

The compounds analyzed in this study are:

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

Experimental

Conditions

Columns:

Atlantis dC₁₈, 4.6 x 20 mm IS, 3 µm,
(P/N:186002062)

Symmetry C₁₈, 4.6 x 20 mm IS, 3.5 µm,
(P/N:186002090)

Symmetry Shield RP₁₈, 4.6 x 20 mm IS, 3.5 µm,
(P/N:186002092)

XTerra MS C₁₈, 4.6 x 20 mm IS, 3.5 µm,
(P/N:186001891)

XTerra RP₁₈, 4.6 x 20 mm IS, 3.5 µm,
(P/N:186001893)

Mobile phase A:	0.1% HCOOH in Water
Mobile phase B:	0.1% HCOOH in Methanol
Flow rate:	3.0 mL/min
Injection volume:	10 µL
Sample concentration:	20 µg/mL
Temperature:	30°C
Detection:	UV @ 270 nm
Instrument:	Alliance 2795 with 996 PDA

Results and Discussion

Featured Products

- [Alliance HPLC System <https://www.waters.com/534293>](https://www.waters.com/534293)

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