



Column: [Gemini® 3 µm C18 110 Å LC Column 50 x 4.6 mm](#)

Part No: [00B-4439-E0](#)

Dimensions: 50 x 4.6 mm ID

Elution Type: Gradient

Elution A: 0.1% Formic Acid in Water

Elution B: Acetonitrile

Gradient Profile:

| Step No. | Time (min) | Pct A | Pct B |
|----------|------------|-------|-------|
| 1 | 0 | 98 | 2 |
| 2 | 2 | 98 | 2 |
| 3 | 2.1 | 85 | 15 |
| 4 | 6.5 | 50 | 50 |
| 5 | 7.1 | 0 | 100 |
| 6 | 8 | 0 | 100 |
| 7 | 8.1 | 98 | 2 |
| 8 | 10 | 98 | 2 |

Flow Rate: 800 µL/min

Col. Temp: ambient

Detection: Tandem Mass Spec (MS-MS) @ (22°C)

Compounds:

- 1- Sulfadiazine
- 2- Sulfathiazole
- 3- Sulfapyridine
- 4- Sulfamerazine
- 5- Sulfamethazine
- 6- Sulfamethoxazole
- 7- Sulfadimethoxine
- 8- Sulfaquinoxaline