

HPLC Application

ID No.: 19506

Ranitidine(Degraded) by HPLC - Luna 3µm C8(2) 100x4.6mm

Column: Luna® 3 µm C8(2) 100 Å, LC Column 100 x 4.6 mm, Ea

Dimensions: 100 x 4.6 mm ID

Order No: 00D-4248-E0

Elution Type: Gradient

Eluent A: 98:2 40mM potassium phosphate pH 7.1:Acetonitrile

Eluent B: 78:22 40mM potassium phosphate pH 7.1:Acetonitrile

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|--------------------------|-----------------|-------------------|--------------|--------------|
| | 1 | 0 | 100 | 0 |
| | 2 | 10 | 0 | 100 |
| | 3 | 15 | 0 | 100 |
| | 4 | 16 | 100 | 0 |
| | 5 | 20 | 100 | 0 |

Flow Rate: 1.5 mL/min

Col. Temp.: 35 °C

Detection: UV-Vis Abs.-Diode Array (PDA) @ 230 amu (ambient)

Analyst Note: SecurityGuard™ Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, C8 4 x 3.0mm ID, 10/Pk Part No.: AJ0-4290

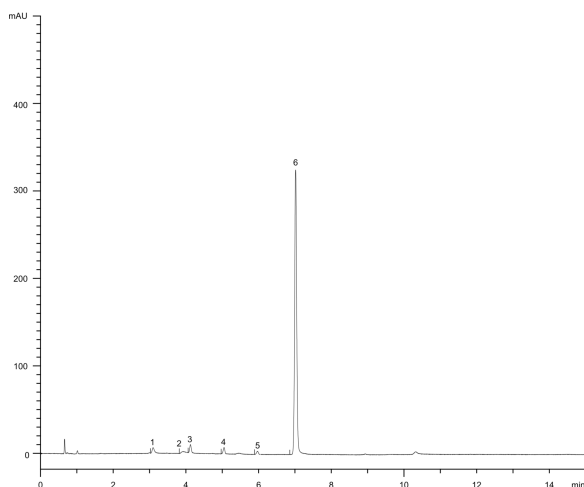
- Holder Part No.: KJ0-4282



Products used in this application:



19506



ANALYTES:

- 1** Ranitidine amino alcohol hemifumarate
Retention Time: 3.096 min
- 2** Ranitidine diamine hemifumarate
Retention Time: 3.926 min
- 3** Ranitidine S-oxide
Retention Time: 4.12 min
- 4** Ranitidine N-oxide
Retention Time: 5.043 min
- 5** Ranitidine complex nitroacetamide
Retention Time: 5.969 min
- 6** Ranitidine
Retention Time: 7.018 min

