



Column: [Kinetex™ 2.6 µm C18 100 Å LC Column 100 x 4.6 mm](#)

Part No: [00D-4462-E0](#)

Dimensions: 100 x 4.6 mm ID

Elution Type: Gradient

Elution A: 98:2 40mM Potassium Phosphate pH 7.1:ACN

Elution B: 78:22 40mM Potassium Phosphate pH 7.1:ACN

Gradient Profile:

| Step No. | Time (min) | Pct A | Pct B |
|----------|------------|-------|-------|
| 1 | 0 | 100 | 0 |
| 2 | 10 | 0 | 100 |

Flow Rate: 1.5 mL/min

Col. Temp: 35 °C

Detection: UV-Vis Abs.-Variable Wave.(UV) @ 230 nm (22°C)

Compounds:

- 1- Ranitidine Amino Alcohol hemifumarate
- 2- Ranitidine diamine hemifumarate (Impurity A)
- 3- Ranitidine S-oxide (Impurity C)
- 4- Ranitidine N-oxide
- 5- Ranitidine complex Nitroacetamide
- 6- Ranitidine HCl