



**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