



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 KH₂PO₄ pH 7.0:ACN

Elution B: 78:22 40mM KH₂PO₄ pH 7.0: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.-Diode Array (PDA) @ (22°C)

Compounds:

- 1- ranitidine amino alcohol fumarate
- 2- ranitidine diamine hemifumarate (Ranitidine Impurity A)
- 3- ranitidine s-oxide (Ranitidine Impurity C)
- 4- ranitidine n-oxide
- 5- ranitidine complex nitroacetamide
- 6- ranitidine