



Column: [Luna® 3 µm C8\(2\) 100 Å LC Column 100 x 4.6 mm](#)

Part No: [00D-4248-E0](#)

Dimensions: 100 x 4.6 mm ID

Elution Type: Gradient

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

Elution 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 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