

# HPLC Application

ID No.: 19507

## Ranitidine(Degraded) by HPLC - Kinetex 2.6µm XB-C18 100x4.6mm

**Column:** Kinetex® 2.6 µm XB-C18 100 Å, LC Column 100 x 4.6 mm, Ea

**Dimensions:** 100 x 4.6 mm ID

**Order No:** 00D-4496-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

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

**Flow Rate:** 1.5 mL/min

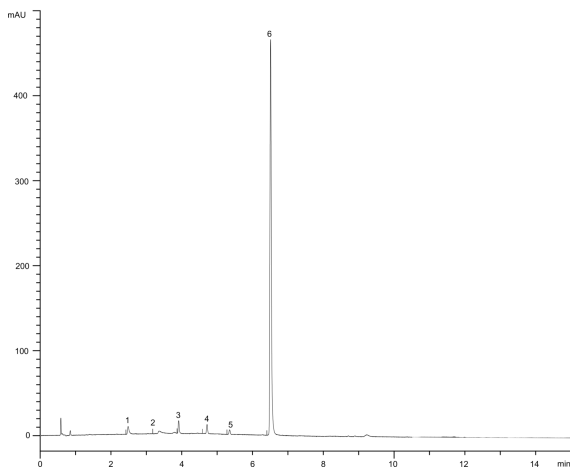
**Col. Temp.:** ambient

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

19507



Products used in this application:



### ANALYTES:

- 1** Ranitidine amino alcohol hemifumarate  
Retention Time: 2.472 min
- 2** Ranitidine diamine hemifumarate  
Retention Time: 3.36 min
- 3** Ranitidine S-oxide  
Retention Time: 3.904 min
- 4** Ranitidine N-oxide  
Retention Time: 4.711 min
- 5** Ranitidine complex nitroacetamide  
Retention Time: 5.349 min
- 6** Ranitidine  
Retention Time: 6.504 min

