

# HPLC Application

ID No.: 19543

## Ranitidine Tablet on HPLC -Kinetex 2.6µm C18 100x4.6mm - 0.1N NaOH Degradation

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

**Dimensions:** 100 x 4.6 mm ID

**Order No:** 00D-4462-E0

**Elution Type:** Gradient

**Eluent A:** 98:2 40mM Potassium Phosphate pH 7.1:ACN

**Eluent B:** 78:22 40mM Potassium Phosphate pH 7.1:ACN

<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

**Flow Rate:** 1.5 mL/min

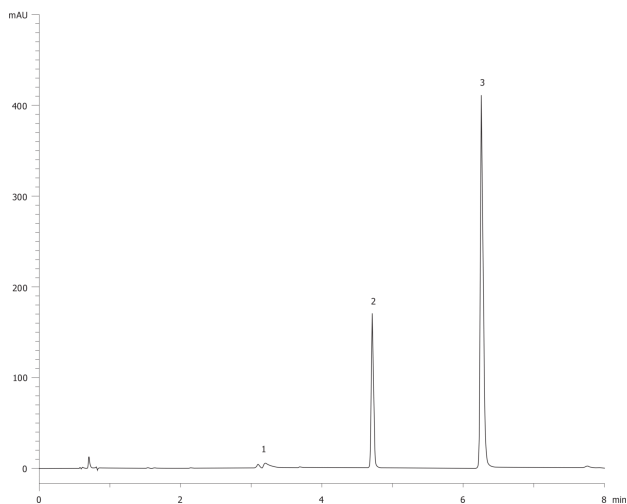
**Col. Temp.:** ambient

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

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Products used in this application:



### ANALYTES:

- 1** Ranitidine diamine hemifumarate

Retention Time: 3.199 min

- 2** Ranitidine complex nitroacetamide

Retention Time: 4.715 min

- 3** Ranitidine

Retention Time: 6.258 min

