

## Paracetamol Related substances using Kinetex 2.6µm C18 150 x 4.6mm ID

**Column:** Kinetex® 2.6 µm C18 100 Å, LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

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

**Elution Type:** Isocratic

**Eluent A:** 100 mM Na<sub>2</sub>HPO<sub>4</sub>

**Eluent B:** 50 mM NaH<sub>2</sub>PO<sub>4</sub>

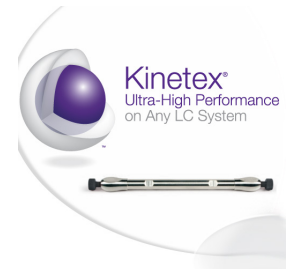
**Eluent C:** 4 g/L (Bu)<sub>4</sub>NOH in methanol

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B	Pct C
	1	0	37.5	37.5	25

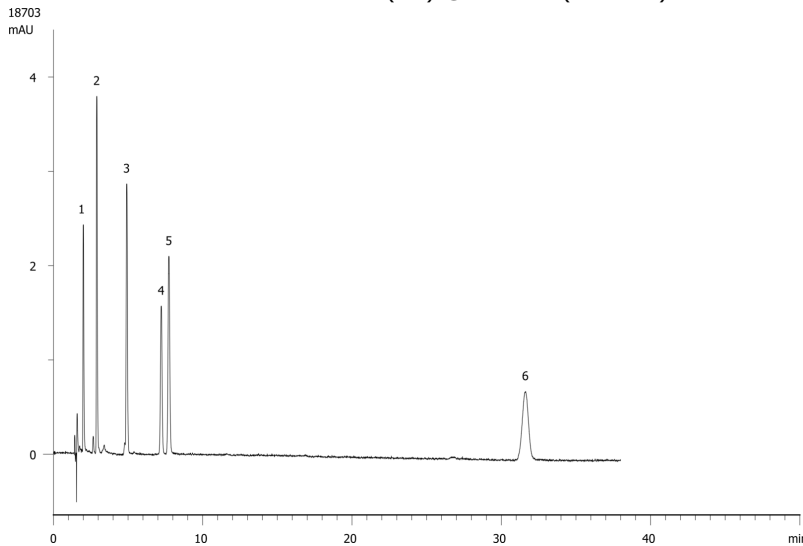
**Flow Rate:** 0.9 mL/min

**Col. Temp.:** ambient

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 245 nm (ambient)



Products used in this application:



### ANALYTES:

- 1** Impurity K (4-aminophenol)  
Retention Time: 2 min
- 2** Paracetamol  
Retention Time: 2.9 min
- 3** impurity A (N-(2-hydroxyphenyl)acetamide)  
Retention Time: 4.9 min
- 4** Impurity I (1-(2-hydroxyphenyl)ethanone)  
Retention Time: 7.22 min
- 5** Impurity F (4-nitrophenol)  
Retention Time: 7.73 min
- 6** Impurity J (N-(4-chlorophenyl)acetamide (chloroacetanilide))  
Retention Time: 31.6 min

