

# HPLC Application

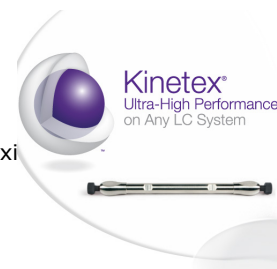
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## Ibuprofen by HPLC on Kinetex 2.6µm XB-C18 100x4.6mm

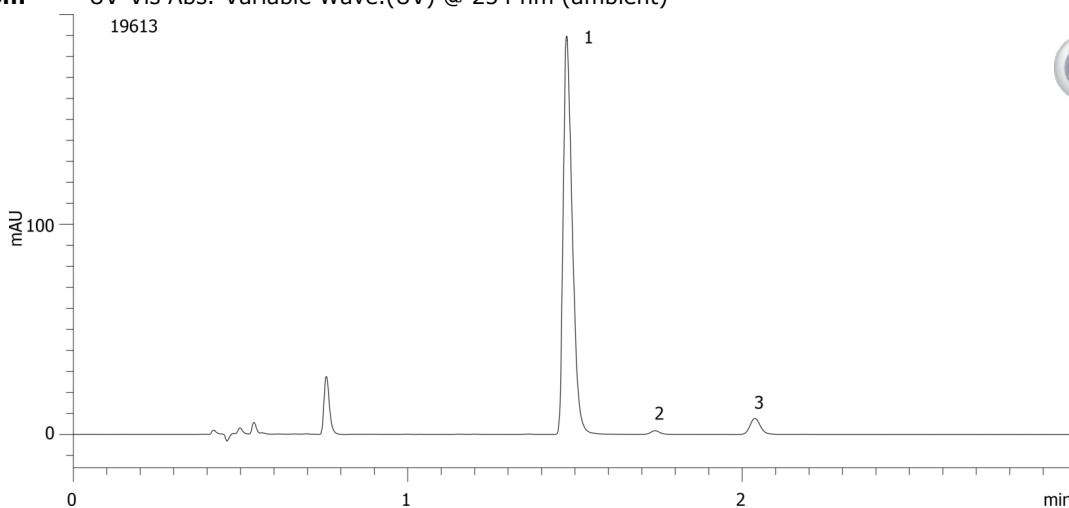
**Column:** Kinetex® 2.6 µm XB-C18 100 Å, LC Column 100 x 4.6 mm, Ea  
**Dimensions:** 100 x 4.6 mm ID  
**Order No:** 00D-4496-E0  
**Elution Type:** Isocratic  
**Eluent A:** 600:400 ACN:Water with 4g chloroacetic acid adjusted to pH 3.0 with ammonium hydroxi  
**Gradient**

Step No.	Time (min)	Pct A
1	10	100

**Profile:**  
**Flow Rate:** 2 mL/min  
**Col. Temp.:** ambient  
**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 254 nm (ambient)



Products used in this application:



### ANALYTES:

- 1** Ibuprofen  
Retention Time: 1.475 min
- 2** Valerophenone  
Retention Time: 1.739 min
- 3** Ibuprofen related compound C  
Retention Time: 2.038 min

