

# HPLC Application

ID No.: 19246



## Extraction of Analgesics from Plasma Using Strata X-A on Kinetex 2.6u, C18, 50x2.1mm by LC-UV

**Column:** Kinetex® 2.6 µm C18 100 Å, LC Column 50 x 2.1 mm, Ea

**Dimensions:** 50 x 2.1 mm ID

**Order No:** 00B-4462-AN

**Elution Type:** Gradient

**Eluent A:** 20 mM KH<sub>2</sub>PO<sub>4</sub>(pH 7.0)

**Eluent B:** Methanol

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|-------------------|----------|------------|-------|-------|
|                   | 1        | 0          | 90    | 10    |
|                   | 2        | 1          | 90    | 10    |
|                   | 3        | 1.01       | 30    | 70    |
|                   | 4        | 5.5        | 30    | 70    |

**Flow Rate:** 0.4 mL/min

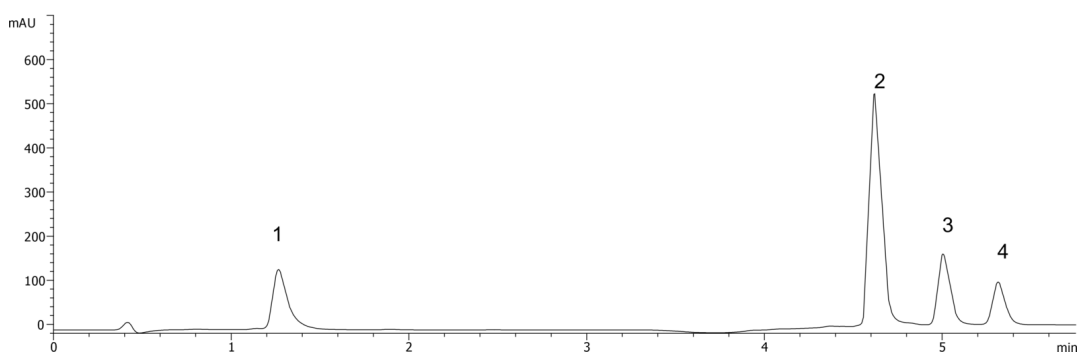
**Col. Temp.:** ambient

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 230 nm (ambient)

19246



Products used in this application:



### ANALYTES:

- 1 Salicylic acid  
Retention Time: 1.26 min
- 2 Naproxen  
Retention Time: 4.6 min
- 3 Fenoprofen  
Retention Time: 5 min
- 4 Ibuprofen  
Retention Time: 5.3 min

