

# HPLC Application

ID No.: 19177

## Pain Panel on Kinetex C18 2.6µm 50 x 2.1 mm by LC/MS

**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:** 0.1% Formic acid in H<sub>2</sub>O

**Eluent B:** 0.1% Formic acid ACN

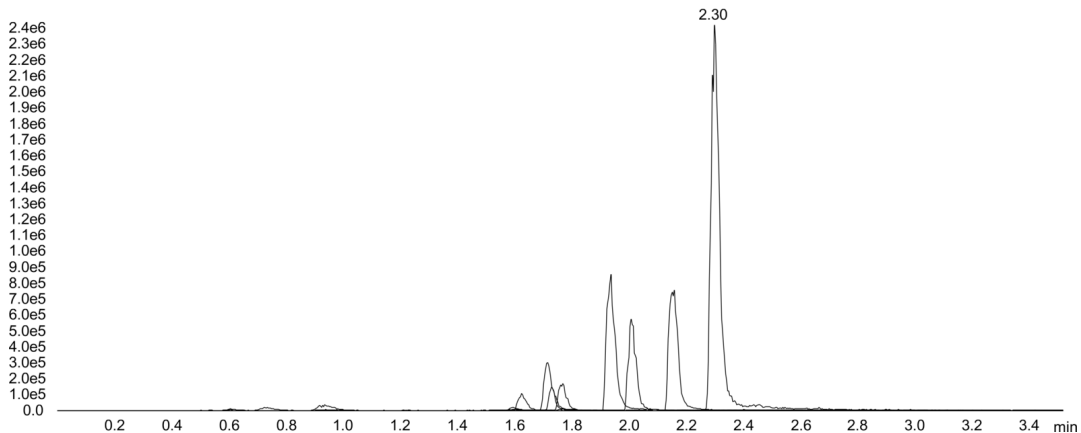
Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	95	5
	2	0.5	95	5
	3	2.5	5	95
	4	3.5	5	95
	5	3.51	95	5
	6	5.3	95	5

**Flow Rate:** 450 µL/min

**Col. Temp.:** ambient

**Detection:** Mass Spectrometer (MS) @ amu (ambient)

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Products used in this application:



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### ANALYTES:

- 1 Morphine
- 2 Oxymorphone
- 3 Hydromorphone
- 4 Codeine
- 5 Naloxone
- 6 Oxycodone
- 7 Naltrexone
- 8 Hydrocodone
- 9 Tramadol
- 10 Meperidine
- 11 Fentanyl
- 12 Buprenorphine
- 13 Methadone

