

HPLC Application

ID No.: 22715

Opiates at high pH using Kinetex 5u EVO C18 50 x 2.1 mm

Column: Kinetex[®] 5 μ m EVO C18 100 Å, LC Column 50 x 2.1 mm, Ea

Dimensions: 50 x 2.1 mm ID

Order No: 00B-4633-AN

Elution Type: Gradient

Eluent A: 10mM Ammonium Bicarbonate

Eluent B: Methanol

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	90	10
	2	0.5	90	10
	3	2	75	25
	4	4.5	20	80
	5	4.51	15	85
	6	5.5	15	85
	7	5.51	90	10
	8	7	90	10

Flow Rate: 500 μ L/min

Col. Temp.: 40 °C

Detection: Tandem Mass Spec (MS-MS) @ (ambient)

Detector Info:

22715

SCIEX</p></div>

Products used in this application:

The chromatogram displays detector response over a 6-minute run. The y-axis represents intensity, ranging from 0 to 2.8e5. The x-axis represents time in minutes, from 0 to 6. Several distinct peaks are observed, primarily between 3.5 and 6.0 minutes. The most prominent peaks occur at approximately 3.5, 4.5, 5.5, and 6.0 minutes, with intensities reaching up to 2.0e5. There are also smaller peaks at approximately 3.2, 4.2, and 5.2 minutes. The baseline is relatively flat and near zero throughout the run.

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ANALYTES:

- 1 Meprobamate
- 2 Normepiridine
- 3 Mepiridine
- 4 Carisoprodol
- 5 Tramadol
- 6 Hydromorphone
- 7 Morphine
- 8 Codeine
- 9 Hydrocodone
- 10 Oxymorphone
- 11 Methadone
- 12 Oxycodone
- 13 6-MAM
- 14 Norbuprenorphine
- 15 Buprenorphine

