



Column: [Kinetex™ 2.6 µm C18 100 Å LC Column 50 x 2.1 mm](#)

Part No: [00B-4462-AN](#)

Dimensions: 50 x 2.1 mm ID

Elution Type: Gradient

Elution A: 5mM Ammonium acetate

Elution B: 5mM Ammonium acetate in methanol

Gradient Profile:

Step No.	Time (min)	Pct A	Pct B
1	0	85	15
2	5.5	0	100
3	6.5	0	100
4	6.51	85	15
5	9	85	15

Flow Rate: 500 µL/min

Col. Temp: ambient

Detection: Mass Spectrometer (MS) @ amu (22°C)

Compounds:

- 1- Oxymorphone-D3; 2- Oxymorphone; 3-Morphine-D3; 4-Morphine; 5-Hydromorphone-D6; 6- O-Desmethyltramadol; 7- Hydromorphone; 8-Oxycodone-D6; 9- Oxycodone; 10- Codeine-D6; 11- Codeine; 12- N-Desmethyltramadol; 13- cis-Tramadol; 14- Hydrocodone-D6; 15 – Hydrocodone; 16 - Normeperidine-D4; 17 – Normeperidine; 18- Meperidine-D4; 19 -Meperidine