



**Column:** [Gemini® 5 µm C18 110 Å LC Column 100 x 2 mm](#)

**Part No:** [00D-4435-B0](#)

**Dimensions:** 100 x 2 mm ID

**Elution Type:** Gradient

**Elution A:** Water with 0.1% v/v Formic Acid

**Elution B:** Acetonitrile with 0.1% v/v Formic Acid

**Gradient Profile:**

Step No.	Time (min)	Pct A	Pct B
1	0	97	3
2	1	97	3
3	3	70	30
4	3.01	97	3
5	5.5	97	3

**Flow Rate:** 0.4 mL/min

**Col. Temp:** ambient

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

**Compounds:**

- 1- Morphine-3-b-glucuronide
- 2- Normorphine
- 3- Morphine