

## Gabapentin extracted from plasma (25 µg/mL) using PPT on a Kinetex C18 2.6µm, 50x2.1mm

**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:** 5 mM Ammonium formate

**Eluent B:** Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	97	3
	2	1	97	3
	3	3	10	90

**Flow Rate:** 0.4 mL/min

**Col. Temp.:** ambient

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

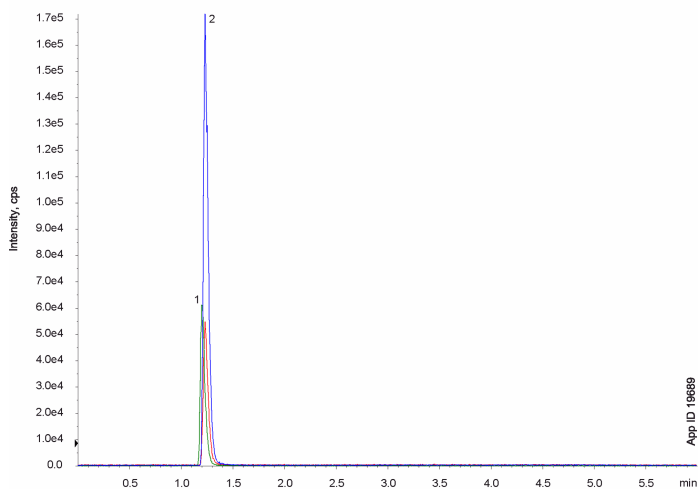
**Detector Info:** <a target="\_blank"

**Analyst Note:**

href="https://sciex.com/products/mass-spectrometers?utm\_campaign=2019%20application%20search&utm\_source=phenomenex&utm\_medium=referral">SCIEX<br/>Sample prep: Combine 100µL of plasma and 100µL of 10% TCA (containing internal standard at appropriate concentration) in a centrifuge vial. Mix briefly. Centrifuge samples at 14K RPM and then transfer 100µL of supernatant to an autosampler vial. Dilute sample 10X with water before



Products used in this application:



### ANALYTES:

- 1 Gabapentin-d4 (176.2>158.2)  
Retention Time: 1.4 min
- 2 Gabapentin (172.2>154.2, 172.2>137.2)  
Retention Time: 1.4 min

