

# HPLC Application

ID No.: 22156

## Antiepileptics in methanol using Kinetex 5u Biphenyl 50x2.1mm

**Column:** Kinetex® 5 µm Biphenyl 100 Å LC Column 50 x 2.1 mm, Ea

**Dimensions:** 50 x 2.1 mm ID

**Order No:** 00B-4627-AN

**Elution Type:** Gradient

**Eluent A:** Water with 0.1% formic acid

**Eluent B:** Methanol with 0.1% formic acid

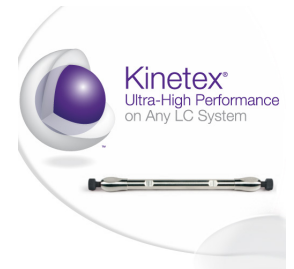
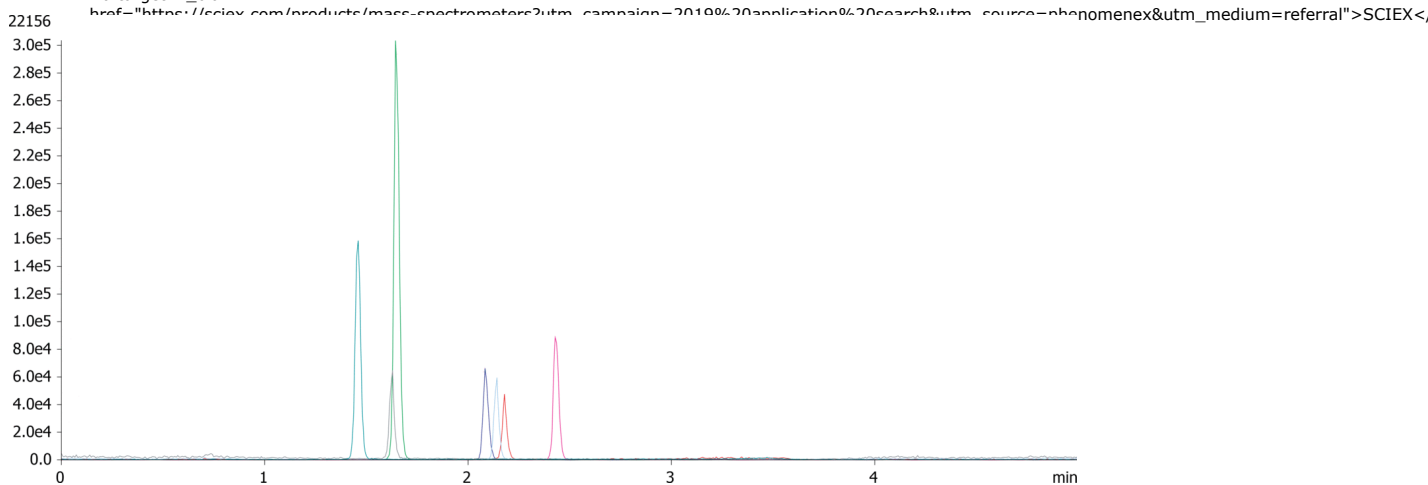
Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	98	2
	2	3	5	95
	3	3.1	98	2
	4	6	98	2

**Flow Rate:** 0.5 mL/min

**Col. Temp.:** 40 °C

**Detection:** Tandem Mass Spec (MS-MS) @ (40 °C)

**Detector Info:**



Products used in this application:



### ANALYTES:

- 1** Pregabalin  
Retention Time: 1.46 min
- 2** Levetiracetam  
Retention Time: 1.65 min
- 3** Gabapentin  
Retention Time: 1.65 min
- 4** Lamotrigine  
Retention Time: 2.09 min
- 5** Zonisamide  
Retention Time: 2.14 min
- 6** Lacosamide  
Retention Time: 2.18 min
- 7** MHD  
Retention Time: 2.43 min

