

# HPLC Application

ID No.: 23746

## Fast Benzodiazepines Panel on Kinetex 2.6µm Phenyl-Hexyl, 50x3mm

**Column:** Kinetex® 2.6 µm Phenyl-Hexyl 100 Å LC Column 50 x 3.0 mm, Ea

**Dimensions:** 50 x 3 mm ID

**Order No:** 00B-4495-Y0

**Elution Type:** Gradient

**Eluent A:** 10mM Ammonium formate in water

**Eluent B:** 0.1% Formic acid in methanol

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	60	40
	2	0.5	5	95
	3	1.5	5	95
	4	1.51	60	40
	5	3	60	40

**Flow Rate:** 0.6 mL/min

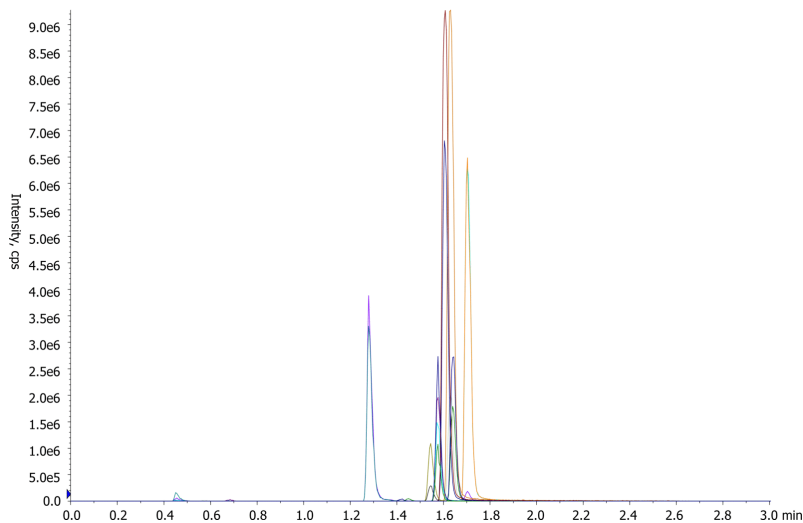
**Col. Temp.:** ambient

**Detection:** Tandem Mass Spec (MS-MS) @ (600 °C)

**Detector Info:** <a target="\_blank" href="https://sciex.com/products/mass-spectrometers?utm\_campaign=2019%20application%20search&utm\_source=phenomenex&utm\_medium=referral">SCIEX</a>



Products used in this application:



### ANALYTES:

- 1** 7-Aminoclonazepam  
Retention Time: 1.28 min
- 2** alpha-Hydroxyalprazolam  
Retention Time: 1.58 min
- 3** Alprazolam  
Retention Time: 1.61 min
- 4** Diazepam  
Retention Time: 1.7 min
- 5** Lorazepam  
Retention Time: 1.54 min
- 6** Nordiazepam  
Retention Time: 1.64 min
- 7** Oxazepam  
Retention Time: 1.58 min
- 8** Temazepam  
Retention Time: 1.63 min

