

# HPLC Application

ID No.: 23594

## Nicotine metabolites using Luna Omega Polar C18 50x2.1mm

**Column:** Luna Omega 1.6 um Polar C18 100 A LC Column 50 x 2.1 mm, Ea

**Dimensions:** 50 x 2.1 mm ID

**Order No:** 00B-4748-AN

**Elution Type:** Gradient

**Eluent A:** 10mM ammonium formate with 0.1% formic acid

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

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	98	2
	2	3	10	90
	3	3.1	98	2

**Flow Rate:** 400 µL/min

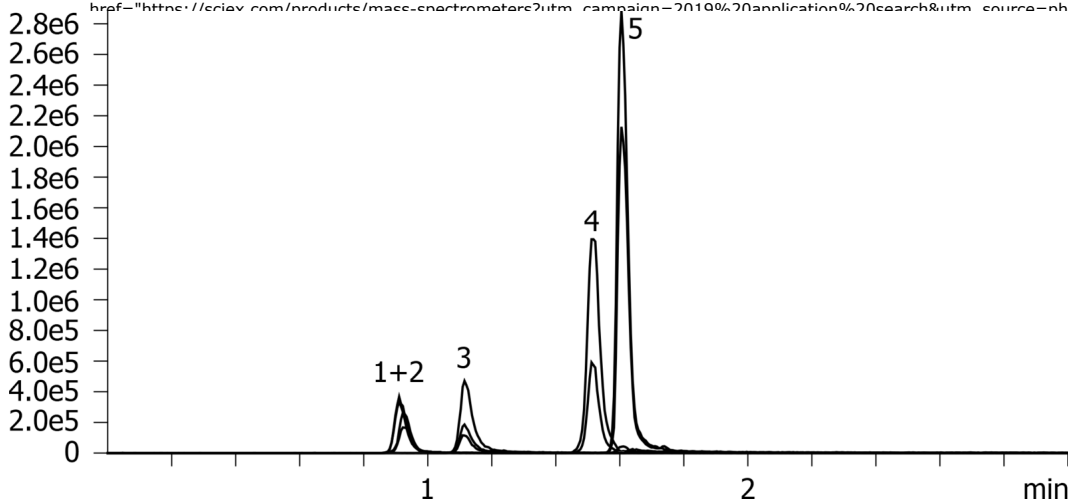
**Col. Temp.:** ambient

**Detection:** Tandem Mass Spec (MS-MS) @ (450 °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<



Products used in this application:



### ANALYTES:

- 1** Nornicotine  
Retention Time: 0.91 min
- 2** 3-Hydroxycotinine  
Retention Time: 0.92 min
- 3** Nicotine  
Retention Time: 1.12 min
- 4** Cotinine  
Retention Time: 1.51 min
- 5** Anabasine  
Retention Time: 1.62 min

