HPLC Application

ID No.: **16345**

Nicotine and Metabolites on Gemini 5µm C18

Column: Gemini® 5 µm C18 110 Å, LC Column 100 x 2 mm, Ea
Dimensions: 100 x 2 mm ID
Order No: 00D-4435-B0
Elution Type: Gradient
Eluent A: Water with 0.1% v/v Formic Acid
Eluent 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 (ambient)
Detector Info: <a target="_blank" href="https://sciex.com/products/mass-spectrometers?utm_campaign=2019%20application%20search&utm_source=phenomenex&utm_medium=referral">SCIEX<,
MRM transitions monitored:

Nicotine: m/z 163.3/105.9 and 163.3/80.1

Nornicotine: m/z 149.1/80.1

Cotinine: m/z 177.3/98.0 and 177.3/80.1

Analyst Note: The pH of the aqueous acid is 2.7. 0.5ng on-column injection of each analyte.

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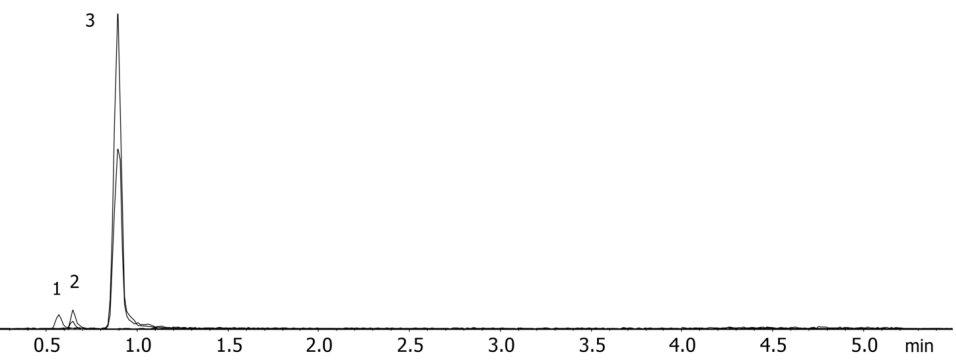
Products used in this application:



ANALYTES:

1 Nornicotine
Retention Time: 0.57 min

2 Nicotine
Retention Time: 0.65 min

3 Cotinine
Retention Time: 0.89 min

For more information contact your Phenomenex Representative at support@phenomenex.com

Phenomenex products are available worldwide.