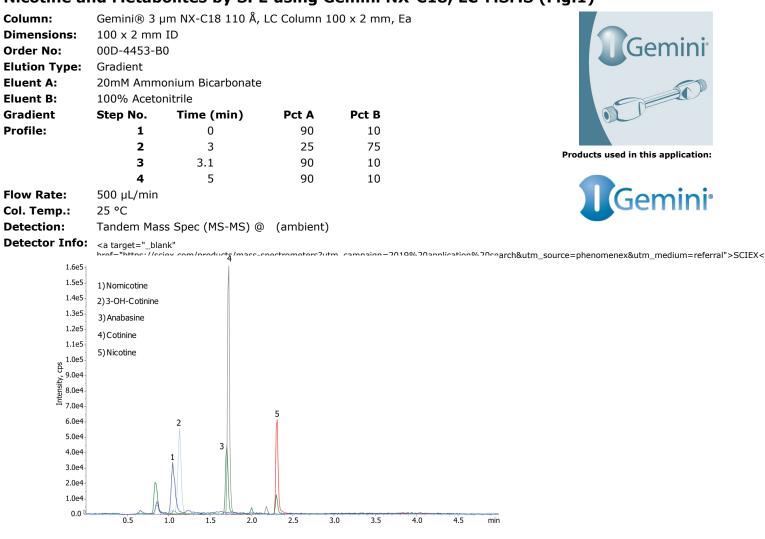
# **HPLC Application**

ID No.: 22022

## Nicotine and Metabolites by SPE using Gemini NX-C18, LC-MSMS (Fig.1)



## **ANALYTES:**

- 1 Nornicotine Retention Time: 1.09 min
- 2 3-OH-Cotinine Retention Time: 1.16 min
- 3 Anabasine Retention Time: 1.71 min
- 4 Cotinine Retention Time: 1.73 min
- 5 Nicotine Retention Time: 2.31 min

©2025 Phenomenex Inc. All rights reserved.

Phenomenex products are available worldwide.

www.phenomenex.com

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

ohenomene

for HPLC Application ID No.: 22022

## Nicotine and Metabolites by SPE using Gemini NX-C18, LC-MSMS (Fig.1)

### **PRODUCT DESCRIPTION:**

Strata<sup>™</sup>-X-C 33 µm Polymeric Strong Cation, 60 mg / 3 mL, Tubes , 50/Pk

Order No.: 8B-S029-UBJ

## SOLID PHASE EXTRACTION (SPE) PRODCEDURE:

**Note:** The solvent volumes shown below are for a 60 mg bed mass.

The solvent volumes will need to be adjusted for a smaller or larger bed mass.

#### **Condition:**

Load:

Wash:

#### Dry:

> 10" Hg for 5 min to remove residual water

#### Elute:

#### Final Prep and Analysis:

Reconstitution Solvent: 500uL Acetonitrile/20mM Ammonium bicarbonate (10:90) Inject: 10 µL on HPLC Tandem Mass Spec (MS-MS) @ (ambient)

ANALYTES:		Spiked Conc. (ng/mL)	Log P	рКа	% Rec	%RSC (n=0)
1	Nornicotine	0				
2	3-OH-Cotinine	0				
3	Anabasine	0				
4	Cotinine	0				
5	Nicotine	0				

**Note:** This method is designed as a convenient starting point for further investigation and can be tailored to meet your extraction goals. Call your local Phenomenex Representative for assistance in method development and optimization techniques.



Phenomenex products are available worldwide.

www.phenomenex.com

©2025 Phenomenex Inc. All rights reserved.

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

