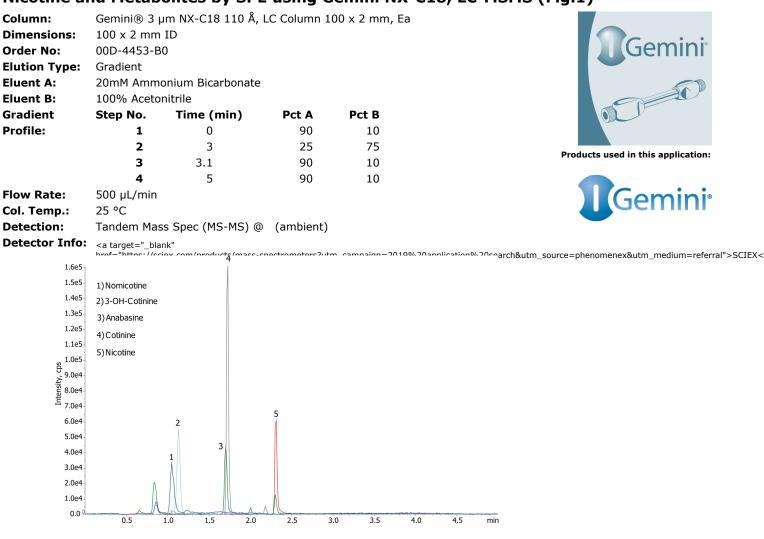
# **HPLC Application**

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

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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.

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