HPLC Application

ID No.: 20909



Nicotinic acid / Nicotinamide (1000 ng/mL) in Human Plasma by Impact on Gemini 3µm C18 100x4.6mm

Gemini® 3 µm C18 110 Å, LC Column 100 x 4.6 mm, Ea

100 x 4.6 mm ID **Dimensions:** Order No: 00D-4439-E0 Elution Type: Gradient

Eluent A: 0.1% formic acid **Eluent B:** Methanol 100%

Gradient	Step No.	Time (min)	Pct A	Pct B
Profile:	1	0	90	10
	2	2.5	10	90
	3	2.6	90	10
	4	4	90	10

Flow Rate: 0.6 mL/min Col. Temp.: ambient

Electrospray Mass Spec (ESMS) @ (ambient) **Detection:**

Detector Info: <a target="_blank"



Products used in this application:



,, Tillo.	<a <="" target="_blank" th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th>									
20909	hraf-"httne://eciav.com/nroducte/mace-enactromatare?utm	campaidn-	- 20100% 20 a	nnlication0/c°	onsarch&u	itm_source=p	henomenex8	kutm_mediun	n=referral">	SCIEX<,
3.6e5		1								
3.4e5										
3.2e5										
3e5										
2.8e5										
2.6e5		Ι.								
2.4e5										
2.2e5										
2e5										
2.2e5 Lutersity, 2e5 1.8e5 1.6e5										
1.4e5										
1.2e5 1e5										
8e4										
6e4										
4.0e4										
2.0e4										
0										
(0 0.5 1 1.5 2	2.5	3	3.5	min					

ANALYTES:

Nicotinamide

Retention Time: 2.5 min

2 Nicotinic acid

Retention Time: 2.66 min

©2025 Phenomenex Inc. All rights reserved.

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



Phenomenex products are available worldwide.

www.phenomenex.com.cn info@phenomenex.com

Sample Preparation Details

for HPLC Application ID No.: 20909



Nicotinic acid / Nicotinamide (1000 ng/mL) in Human Plasma by Impact on Gemini 3µm C18 100x4.6mm

PRODUCT DESCRIPTION:

Impact™ Protein Precipitation, 2mL Square Well Filter Plate, 2/Pk

Order No.: CE0-7565

SOLID PHASE EXTRACTION (SPE) PRODCEDURE:

Note: The solvent volumes shown below are for a Proprietary bed mass.

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

Condition:
Load:
Wash:
Dry:
Elute:
Final Prep and Analysis:
Inject: 2 µL on HPLC Electrospray Mass Spec (ESMS) @ (ambient)

ANALYTES:	Spiked Conc.	Log P	рКа	% Rec	%RSC
	(ng/mL)				(n=0)
 Nicotinamide 	1000			101	
2 Nicotinic acid	1000			96.1	

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.

©2025 Phenomenex Inc. All rights reserved.

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



Phenomenex products are available worldwide.

www.phenomenex.com.cn info@phenomenex.com