

HPLC Application

ID No.: 23841

Underivatized MMA and Succinic Acid from Plasma on Luna Omega 1.6u PS C18, 50x2.1mm with Strata-X-AW

Column: Luna Omega 1.6u PS C18 100A, LC Column 50 x 2.1 mm, Ea

Dimensions: 50 x 2.1 mm ID

Order No: 00B-4752-AN

Elution Type: Gradient

Eluent A: 0.1% Formic Acid in H₂O

Eluent B: 0.1% Formic Acid in ACN

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	98	2
	2	2	10	90
	3	3	10	90
	4	3.01	98	2
	5	5	98	2

Flow Rate: 0.4 mL/min

Col. Temp.: 40 °C

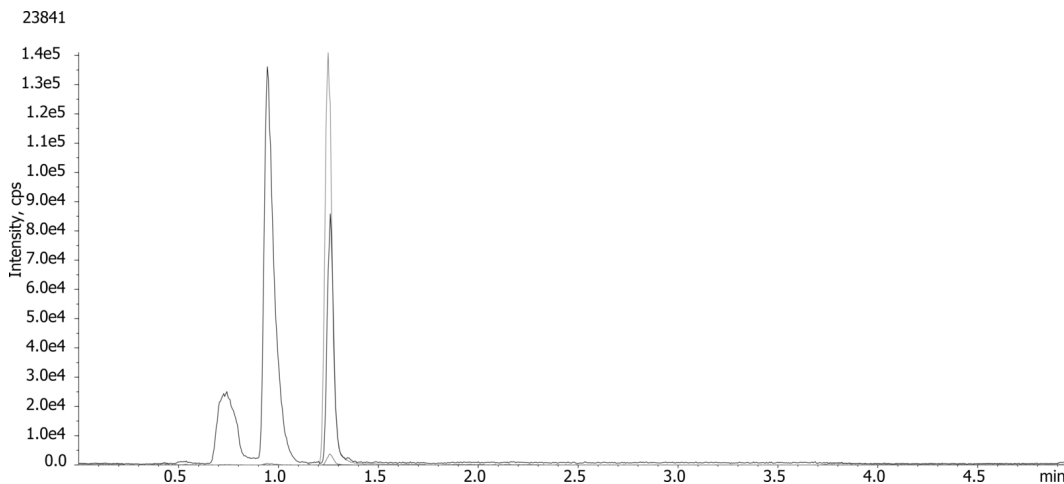
Detection: Electrospray Mass Spec (ESMS) @ 0.0000000000 (600 °C)

Analyst Note: MMA (117.0-->72.9; 117.0-->54.9)

MMA-D3 (120.1-->75.9)



Products used in this application:



ANALYTES:

- 1 Interference
Retention Time: 0.741 min
- 2 Succinic Acid
Retention Time: 0.945 min
- 3 MMA
Retention Time: 1.26 min



Sample Preparation Details

for HPLC Application ID No.: 23841

Underivatized MMA and Succinic Acid from Plasma on Luna Omega 1.6u PS C18, 50x2.1mm with Strata-X-AW

PRODUCT DESCRIPTION:

Strata™-X-AW 33 µm Polymeric Weak Anion, 30 mg / 1 mL, Tubes , 100/Pk

Order No.: 8B-S038-TAK

SOLID PHASE EXTRACTION (SPE) PROCEDURE:

Note: The solvent volumes shown below are for a 30 mg bed mass.

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

Condition:

Load:

Wash:

Dry:

5-10 min under high vacuum

Elute:

Final Prep and Analysis:

Inject: 0 µL on HPLC Electrospray Mass Spec (ESMS) @ 0.000000000 (600°C)

ANALYTES:	Spiked Conc. (ng/mL)	Log P	pKa	% Rec	%RSC (n=0)
1 Interference	0				
2 Succinic Acid	0				
3 MMA	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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For more information contact your Phenomenex Representative at support@phenomenex.com



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