HPLC Application

ID No.: 25779



Clean-Up of Phospholipids in Human Plasma Comparing PPT VS. Strata-X PRO SPE on a Kinetex 2.6 µm C18 50 x

Kinetex® 2.6 µm C18 100 Å, LC Column 50 x 2.1 mm, Ea

50 x 2.1 mm ID **Dimensions:** Order No: 00B-4462-AN Elution Type: Gradient

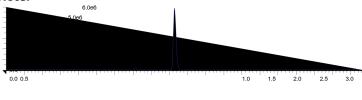
Eluent A: 0.1% Formic acid in water Eluent B: 0.1% Formic acid in methanol

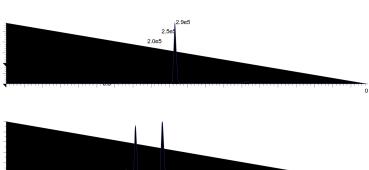
Gradient	Step No.	Time (min)	Pct A	Pct B
Profile:	1	0	60	40
	2	0.5	5	95
	3	11.5	5	95
	4	11.51	60	40
	5	13.5	60	40

Flow Rate: 400 µL/min Col. Temp.: 40 °C

Detection: LC/MS/MS @ (40 °C)

Analyst Note: Analyte dilution not needed (Direct injection of the extracted sample)





ANALYTES:

Lyso PC

Retention Time: 2.4 min

PC-1

Retention Time: 6 min

PC-2

Retention Time: 6.5 min



Products used in this application:





Sample Preparation Details for HPLC Application ID No.: 25779



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PRODUCT DESCRIPTION:

Strata X Pro, 96-Well Plate, 30mg/well

Order No.: 8E-S536-TGA

SOLID PHASE EXTRACTION (SPE) PRODCEDURE:

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

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

ondition:
pad:
ash:
ry:
ute:
nal Prep and Analysis:
Sample Pre-treatment:
• Add 100 μL Serum to tube

Inject: 2 µL on HPLC LC/MS/MS @ (40°C)

ANALYTES:	Spiked Conc.	Log P	pKa	% Rec	%RSC
	(ng/mL)				(n=0)
1 Lyso PC	0				
2 PC-1	0				
3 PC-2	0				

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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