HPLC Application

ID No.: **23627**

THC-COOH comparison using Beta-Gone and Dilute-n-Shoot

Column: Kinetex® 2.6 µm C18 100 Å, LC Column 50 x 2.1 mm, Ea
Dimensions: 50 x 2.1 mm ID
Order No: 00B-4462-AN
Elution Type: Gradient
Eluent A: Water with 0.1% Formic acid
Eluent B: Acetonitrile with 0.1% formic acid

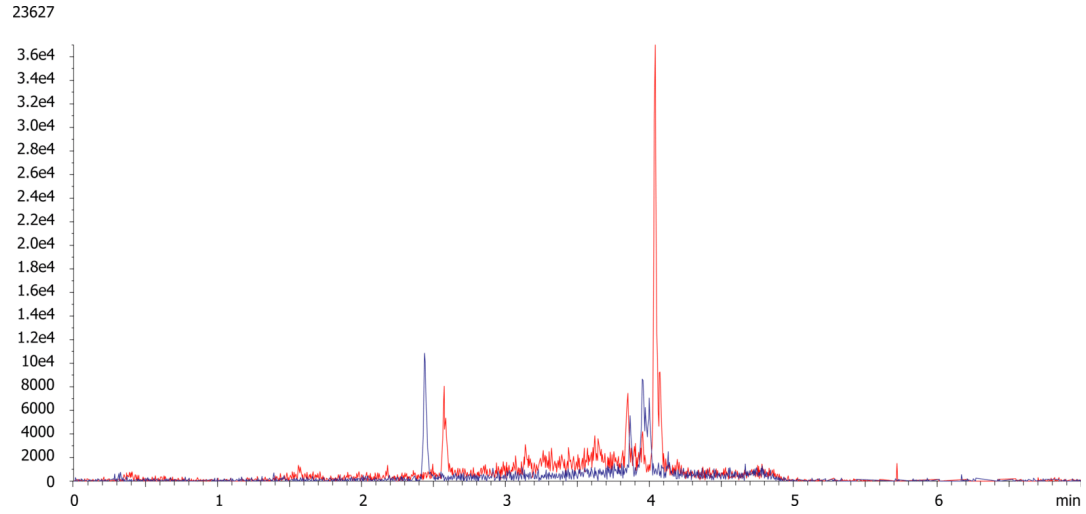
Gradient Profile:

Step No.	Time (min)	Pct A	Pct B
1	0	95	5
2	3	5	95
3	4	5	95
4	4.1	95	5

Flow Rate: 500
Col. Temp.: ambient
Detection: Tandem Mass Spec (MS-MS) @ (ambient)
Detector Info: <a target="_blank" href="https://sciex.com/products/mass-spectrometers?utm_campaign=2019%20application%20search&utm_source=phenomenex&utm_medium=referral">SCIEX<,
To 200 µL urine, add 133 µL of 0.1% Formic acid in Methanol. Pass through the Beta-Gone tube or 96-well plate and collect eluent.

Products used in this application:

KINETEX®



ANALYTES:

1 THC-COOH

Retention Time: 3.98 min

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

Phenomenex products are available worldwide.

Sample Preparation Details

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PRODUCT DESCRIPTION:

Phree Phospholipid Removal Tabbed 1 mL Tube, 100/Pk

Order No.: 8B-S133-TAK

SOLID PHASE EXTRACTION (SPE) PRODCEDURE:

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:

Elute:

Final Prep and Analysis:

Inject: 0 µL on HPLC Tandem Mass Spec (MS-MS) @ (ambient)

ANALYTES:	Spiked Conc. (ng/mL)	Log P	pKa	% Rec	%RSC (n=0)
1 THC-COOH	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.*