

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"

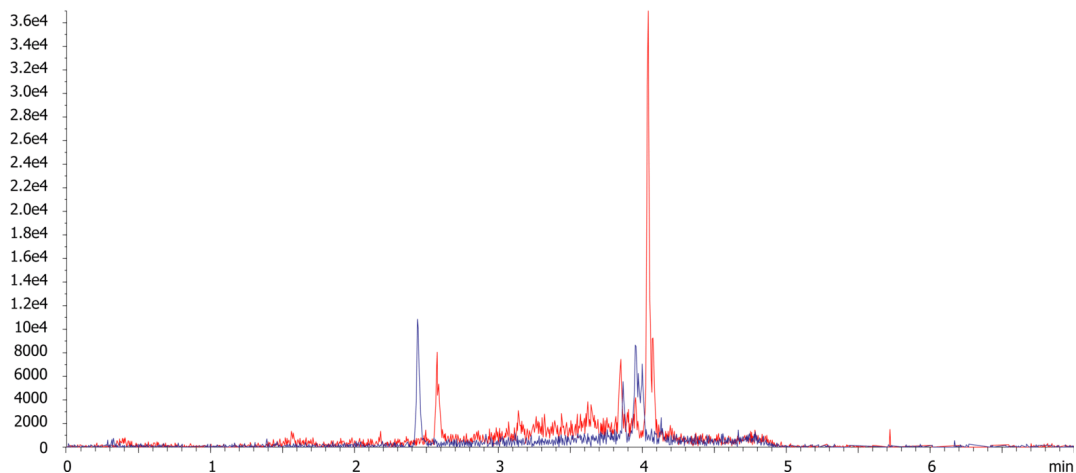
href="https://sciex.com/products/mass-spectrometers?utm_campaign=2019%20application%20search&utm_source=phenomenex&utm_medium=referral">SCIEX
To 200 µL urine, add 133 µL of 0.1% Formic acid in Methanol. Pass through the Beta-Gone tube or 96-well plate and collect eluent.



Products used in this application:



23627



ANALYTES:

1 THC-COOH

Retention Time: 3.98 min



Sample Preparation Details

for HPLC Application ID No.: 23627

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PRODUCT DESCRIPTION:

Phree Phospholipid Removal Tabbed 1 mL Tube, 100/Pk

Order No.: 8B-S133-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:

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.

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



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