HPLC Application

ID No.: **24526**

Separation of Isobaric cannabinoids AB-PINACA and THC-OH on Luna Omega 3µm Polar C18 100x3.0mm

Column: Luna® Omega 3 µm Polar C18 100 Å, LC Column 100 x 3.0 mm, Ea
Dimensions: 100 x 3 mm ID
Order No: 00D-4760-Y0
Elution Type: Gradient
Eluent A: 0.1% formic acid
Eluent B: 0.1% formic acid/methanol

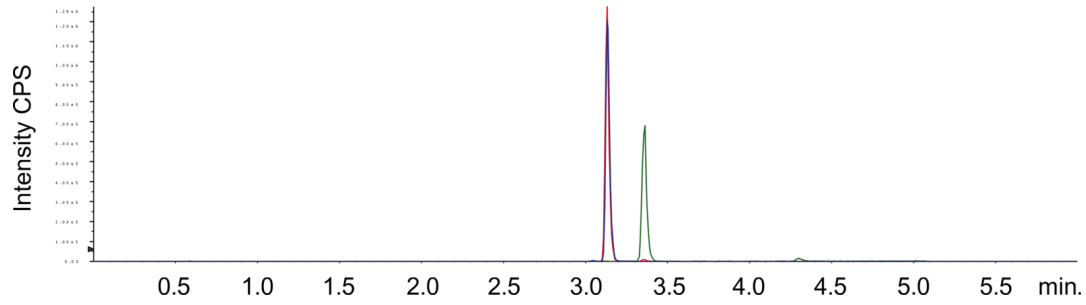
Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	90	10
	2	2	5	95
	3	4	5	95
	4	4.01	90	10
	5	6	90	10

Flow Rate: 0.6 mL/min
Col. Temp.: 25 °C
Detection: Tandem Mass Spec (MS-MS) @ (25 °C)

Products used in this application:

LUNA®

24526



ANALYTES:

1 AB-PINACA
Retention Time: 3.15 min

2 THC-OH
Retention Time: 3.38 min

Sample Preparation Details

for **HPLC** Application ID No.: **24526**

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PRODUCT DESCRIPTION:

Strata™-X-C 33 µm Polymeric Strong Cation, 30 mg / 3 mL, Tubes , 50/Pk

Order No.: 8B-S029-TBJ

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:

3-4 mins at 10-15" of Hg

Elute:

Final Prep and Analysis:

Sample Prep Product: Strata-X-C, 30 mg/3 mL (Part No. 8B-S029-TBJ)
Sample pre-treatment

Inject: 20 µL on HPLC Tandem Mass Spec (MS-MS) @ (25°C)

ANALYTES:		Spiked Conc. (ng/mL)	Log P	pKa	% Rec	%RSC (n=0)
1	AB-PINACA	50				
2	THC-OH	50				

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.*