HPLC Application

Ovytocin Extract O(1 (0.500 pg/ml))А Ton Ch

Oxytocin Extracted Ion Chromatograms, QCL (0.500 ng/mL)											
Column:	Luna® 3 µm	PFP(2) 100 Å, LC	Column 50 x	2 mm, Ea		explore					
Dimensions:	50 x 2 mm II										
Order No:	00B-4447-B0)				NH, C18(2)					
Elution Type:	Gradient					CN C8(2)					
Eluent A:	0.1%FA in w	ater	α								
Eluent B:	0.1%FA in 50	0:50 MeOH:Aceto	nitrile		Phenyl-Hexyl C8						
Gradient	Step No.	Time (min)	Pct A	Pct B		SCX HILLC F2					
Profile:	1	0	90	10							
	2	0.2	90	10							
	3	0.5	70	30		Products used in this application:					
	4	3.5	70	30							
	5	3.51	30	70		LUNA					
	6	4	30	70							
	7	4.01	90	10							
	8	5	90	10							
Flow Rate:	0.45 mL/min										
Col. Temp.:	ambient										
Detection:	Tandem Mass	s Spec (MS-MS) @) (40 °C)								
Detector Info:		ık"									
22771	hrof-"https://sci	ev com/products/macs-	spectrometers?uti	m campaign-20100%20a	nnlication%20search	Rute source-phenomenex&utm_medium=referral">SCIEX<,					
1888	1		2.00	_ 504 > 86 m/z							
1288 1688				304 × 00 m/2							
1400 8-1300											
Intensity, cps			2.23								
608 teus 808 teus			1.86								
			MA, MA	2.63							
2 88	hang hanfarta	1.69	and the strait of the	while you wind which we want the	3.51 Munan	4.49					
490	0.5	1.0 1.5	2.0	2.5 3.0	3.5 4.0	4.5 min					
480 450 400											
පි 350				1007 >723 m/z							
ی 350 پنج 250 200 150						4.93 _					
200 Inter						4.91					
는 150 100	0.25		14			4.60					
50 0	0.09 0.31	1.57 1.76	1.85 2.23 2	.49 2.72 2.94 2.92 3.11 3.29	3.573.62 3.97 4.134.2						
0 =	0.5	1.0 1.5	2.0		3.5 4.0	4.5 min					

ANALYTES:

1 Oxytocin

Retention Time: 2.02 min

2 ARG-Vasopressin Retention Time: 1.72 min

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Ophenomenex[®]

for HPLC Application ID No.: 22771

Oxytocin Extracted Ion Chromatograms, QCL (0.500 ng/mL)

PRODUCT DESCRIPTION:

Strata[™]-X-CW 33 µm Polymeric Weak Cation, 30 mg / well, 96-Well Plates , 2/Pk

Order No.: 8E-S035-TGB

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:

3-5 min

Elute:

Final Prep and Analysis:

Inject: 10 µL on HPLC Tandem Mass Spec (MS-MS) @ (40°C)

ANALYTES:	Spiked Conc. (ng/mL)	Log P	рКа	% Rec	%RSC (n=0)
1 Oxytocin	0				
2 ARG-Vasopressin	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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