HPLC Application

Ovytocin Extract O(1 (0.500 pg/ml))4 Ton Ch

Oxytocin E	xtracted	Ion Chroma	tograms	, QCL (0.50) ng/mL)		
Column:	Luna® 3 µm	PFP(2) 100 Å, LC	Column 50 x	2 mm, Ea			explore
Dimensions:	50 x 2 mm II	C					
Order No:	00B-4447-B0)					NH, C18
Elution Type:	Gradient						CN C8(2)
Eluent A:	0.1%FA in wa	ater			Phoneli-Hend		
Eluent B:	0.1%FA in 50	:50 MeOH:Aceto	nitrile				
Gradient	Step No.	Time (min)	Pct A	Pct B			HILC P(2)
Profile:	1	0	90	10			
	2	0.2	90	10		Pro	ducts used in this application:
	3	0.5	70	30			
	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:		s Spec (MS-MS) @	۵ (40 °C)				
Detector Info:		ik"	cooctromotors 2ut	m. compoign=20100/20	application%20co	archeute courco-r	<pre>>>>nomenex&utm_medium=referral">SCIEX<,</pre>
22771							
1888			2.00	504 > 86 m/z			
1600							
S 1388			2.23				
Intensity, cps							
1005 Fe			1.86				
1100 1100 1100 1100 1100 1100 1100 110		1.69	MWW WW M	2.63	3.51	4.49	
100	0.5	1.0 1.5	2.0	2.5 3.0	3.5 4.0	Mummhymm,	in
480 450	1		2.01				
400				1007 >723 m/:	:		
ی 350 کړی 250 200 150				,			
tisi 250						4.93]
150 E						4.91	
100 50	0.25 0.09 0.31			2.72 2.94	xx 3 573 62 3 97 .	4.60	MAA
0	0.09 0.31	1.57 1.76 1.0 1.5	10, 0, 0, 10, 0, 0, 0,	.49 2.72 2.92 3.11 3. 2.5 3.0	29 3.573.62 3.97 4. 3.5 4.0	134.28 4.5 mi	' in
	0.5	1.0 1.5	2.0	2.5 5.0	5.5 4.0	т.у III	

ANALYTES:

1 Oxytocin

Retention Time: 2.02 min

2 ARG-Vasopressin Retention Time: 1.72 min

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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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