HPLC Application

ID No.: **20844**

Testosterone-Oxime on Gemini-NX C18, 3um, 50x2 mm

Column:	Gemini® 3 µm NX-C18 110 Å, LC Column 50 x 2 mm, Ea
Dimensions:	50 x 2 mm ID
Order No:	00B-4453-B0
Elution Type:	Gradient
Eluent A:	0.1% Formic Acid plus 1 mM Ammonium Formate in DI H2O
Eluent B:	0.1% Formic Acid plus 1 mM Ammonium Formate in ACN

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	70	30
	2	1.5	10	90
	3	2.5	10	90
	4	2.6	70	30
	5	5	70	30

Flow Rate:	0.4 mL/min
Col. Temp.:	50 °C
Detection:	Circular Dichroism @ 0.0000000000 (ambient)

Products used in this application:
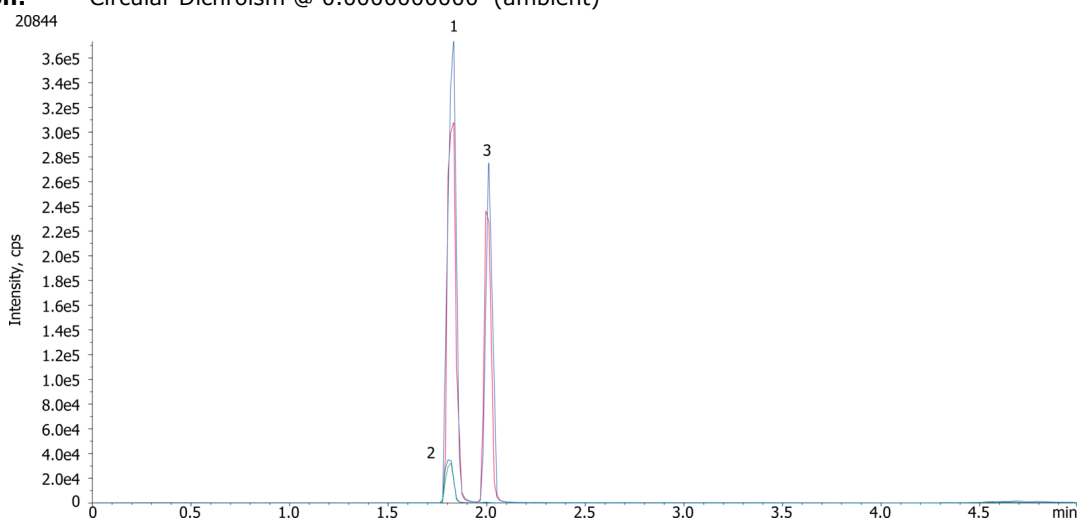
Gemini®

ANALYTES:

1   Testosterone

Retention Time: 1.96 min

2   Testosterone-D3

Retention Time: 1.94 min

3   Epitestosterone

Retention Time: 2.11 min

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

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...breaking with tradition℠

Testosterone-Oxime on Gemini-NX C18, 3um, 50x2 mm

PRODUCT DESCRIPTION:

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

Order No.: 8B-S123-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:

Elute:

Final Prep and Analysis:

Inject: 25 µL on HPLC Circular Dichroism @ 0.0000000000 (ambient)

ANALYTES:	Spiked Conc. (ng/mL)	Log P	pKa	% Rec	%RSC (n=0)
1 Testosterone	0				
2 Testosterone-D3	0				
3 Epitestosterone	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.

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

【⊕】 Phenomenex products are available worldwide.