

HPLC Application

ID No.: 20844

Testosterone-Oxime on Gemini-NX C18, 3µm, 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

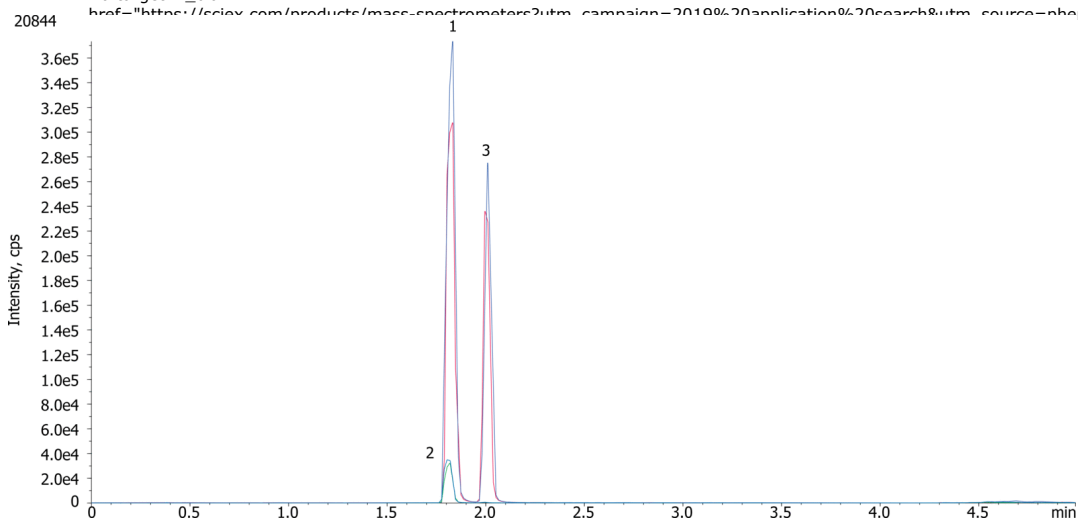
Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	70	30
	2	1.5	10	90
	3	2.5	10	90
	4	2.6	70	30
	5	5	70	30

Flow Rate: 0.4 mL/min

Col. Temp.: 50 °C

Detection: Mass Spectrometer (MS) @ amu (ambient)

Detector Info: SCIEX



ANALYTES:

- 1 Testosterone
Retention Time: 1.96 min
- 2 Testosterone-D3
Retention Time: 1.94 min
- 3 Epitestosterone
Retention Time: 2.11 min



Products used in this application:



Sample Preparation Details

for HPLC Application ID No.: 20844

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) 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: 25 µL on HPLC Mass Spectrometer (MS) @ amu (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.

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



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support@phenomenex.com