

**Client: NexGen Peptide**  
nexgenpeptide@gmail.com  
<https://nexgenpeptides.shop/>

Sample received: **07/14/25**  
Analysis conducted: **07/21/25**

Compound:	MOTS-c	CAS:	1627580-64-6
Batch/Lot #:	S3-MO	Formula:	C101H152N28O22S2
Appearance:	White lyophilized powder	Mol Wt:	2174.64 g/mol

**Method:** Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

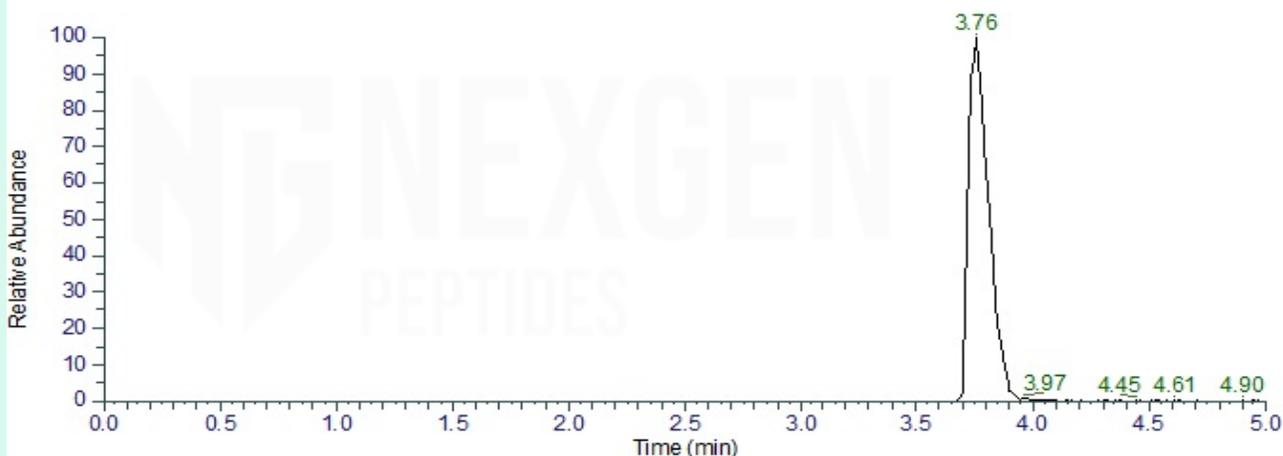
**Pubchem CID:** 155885767

[Pubchem - MOTS-c](#)

	Specification	Result	
Identity Test:	MOTS-c	<b>MOTS-c</b>	<b>Conforms</b>
Quantity:	10 mg ± 10%	9.282 mg	<b>Conforms</b>
Purity:	>98%	<b>99.48%</b>	<b>Conforms</b>

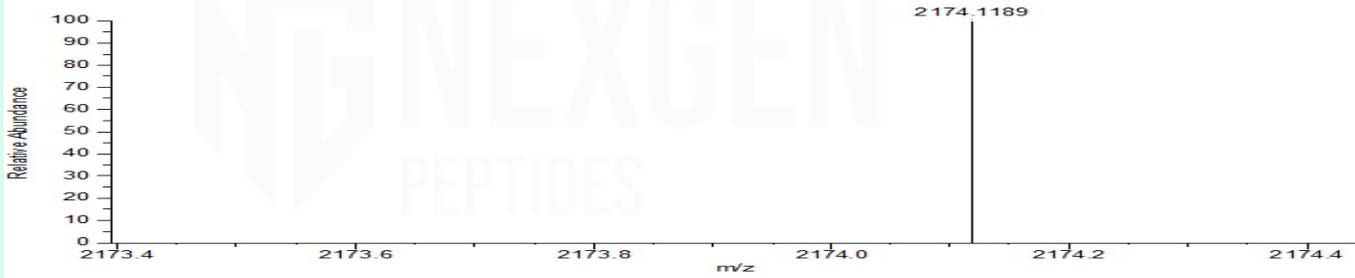
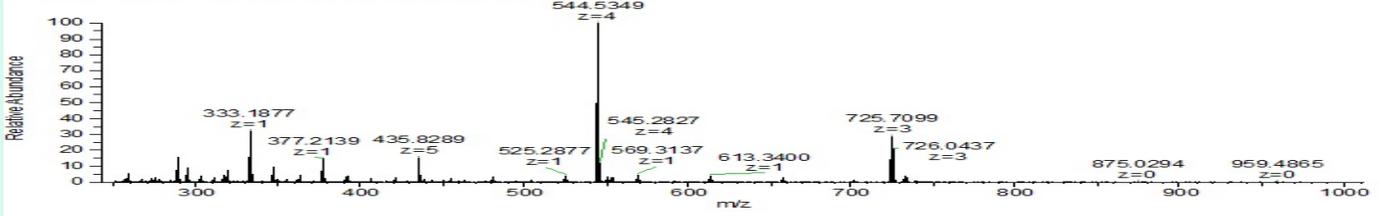
**LC-MS Chromatogram: Retention Time and Peak Analysis**

RT :0.00-5.00



# Full Scan Mass Spectrometry Analysis

NGP-MOTS-c-01 #431 RT: 3.76 AV: 1 NL: 6.32E6  
T: FTMS + p ESI Full ms [250.0000-1000.0000] IIT (ms): 27.4210



## Analysis Performed by

Dr. Roberto Marin  
Analytical Chemist  
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Security Key **NEXGENPEP**  
bioregen.com/verify



*Roberto Marin*