

**Client: Peptide Partners**  
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Sample received: **12/08/25**  
Analysis conducted: **12/22/25**

Compound:	MOTS-c	CAS:	1627580-64-6
Batch/Lot #:	MC202512 (Vial A)	Formula:	C101H152N28O22S2
Appearance:	White lyophilized powder	Mol Wt:	2174.64 g/mol

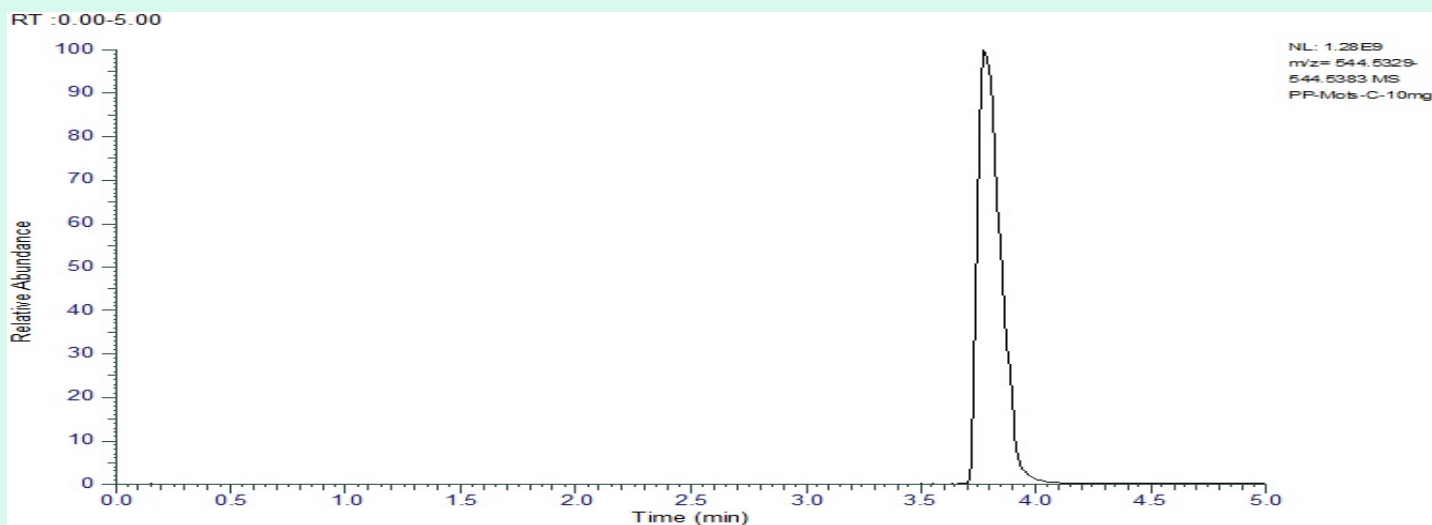
**Method:** Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

**Pubchem CID:** 155885767

MOTS-c | C101H152N28O22S2 | CID 155885767

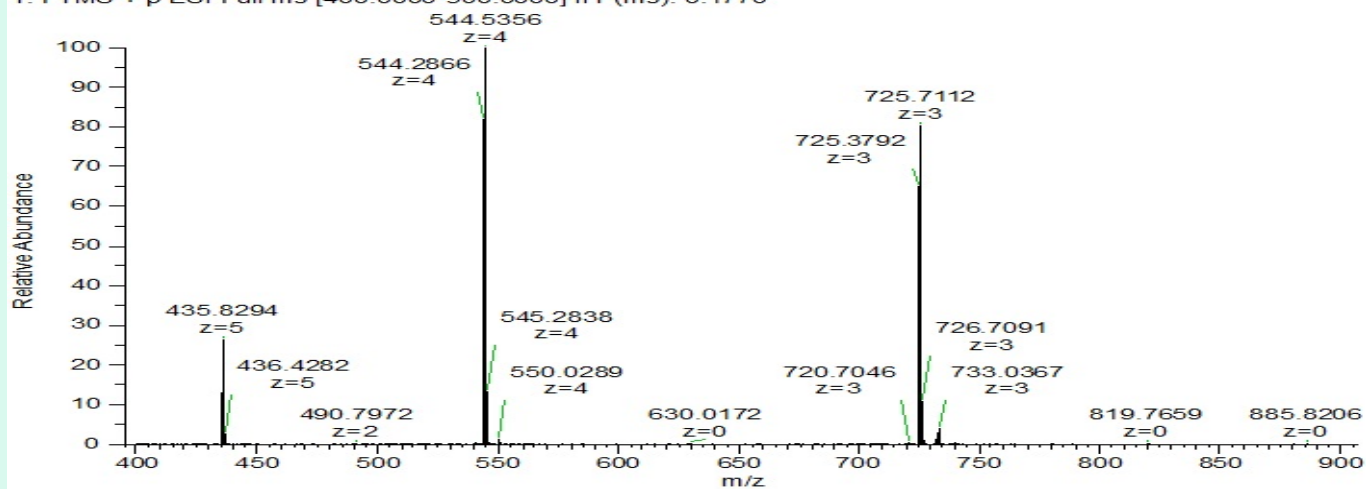
	Specification	Result	
Identity Test:	MOTS-c	<b>MOTS-c</b>	<b>Conforms</b>
Quantity:	10 mg $\pm$ 15%	10.84 mg	<b>Conforms</b>
Purity:	>99%	<b>99.89%</b>	<b>Conforms</b>

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



## Full Scan Mass Spectrometry Analysis

PP-Mots-C-10mg #432 RT: 3.76 AV: 1 NL: 1.13E9  
T: FTMS + p ESI Full ms [400.0000-900.0000] IIT (ms): 0.1770



### Analysis Performed by

Dr. Roberto Marin  
Analytical Chemist  
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*Roberto Marin*

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