Horizon Analytical

Certificate of Analysis

Lot Number: MOT102607-113A-P
Client Name: Bluum Peptides
Identity: https://bluumpeptides.com/

Lab Received Date: 06/18/2026
Analysis Conducted: 07/06/2026
Searchable via: horizonanalytical.com

Compound:	MOTS-c
Lot:	MOT102607-113A-P
Appearance:	White Lyophilized Powder

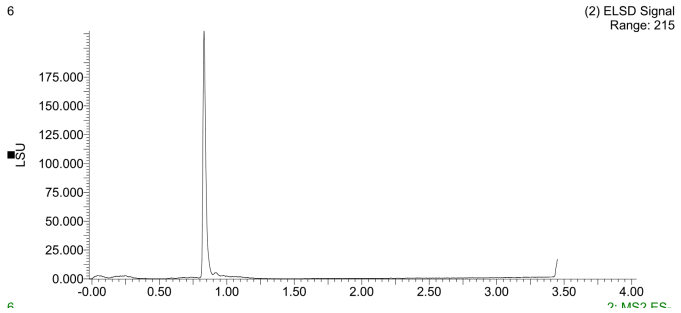
CAS:	1627580-64-6
Formula:	$C_{101}H_{152}N_{28}O_{22}S_2$
Mol Weight:	~2174.64 g/mol

Pubchem CID: 255386757

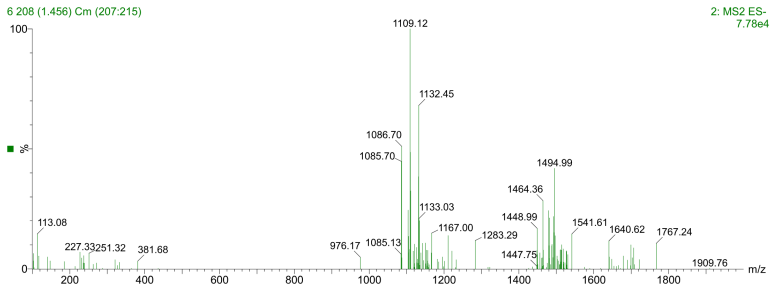
Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

	Specification	Result	Scan to Validate:
Compound Test:	MOTS-c	MOTS-c	
Quantity:	10mg	9.82mg	
Purity:	>98%	99.31%	

UPLC



MS



Aleksey Yevtodiyenko PhD
Research and Formulation Chemist

This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.

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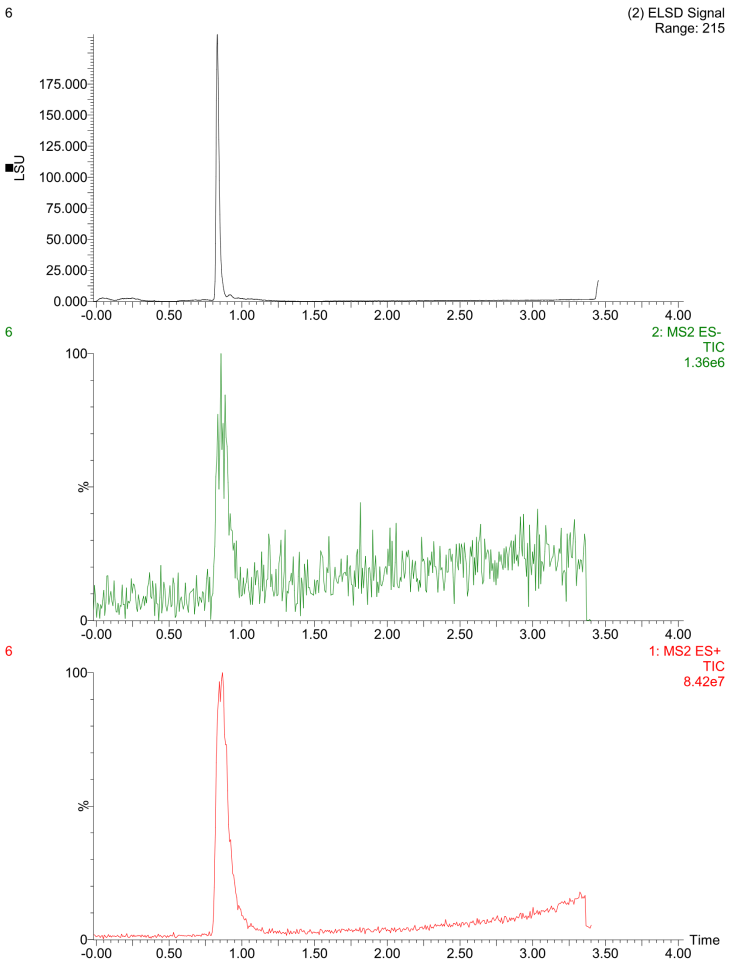
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MOTS-c (10mg) • Pubchem CID: 255386757

Ultra High Performance Liquid Chromatography (UPLC)



Mass Spectrometry (MS)

