Horizon Analytical

Certificate of Analysis

Lot Number: DPS-4275312
Client Name: Direct Peptides
Identity: directpeptides.com

Lab Received Date: 02/21/2026
Analysis Conducted: 03/06/2026
Searchable via: horizonanalytical.com

Compound:	Oxytocin
Report Number:	1000547
Appearance:	White Lyophilized Powder

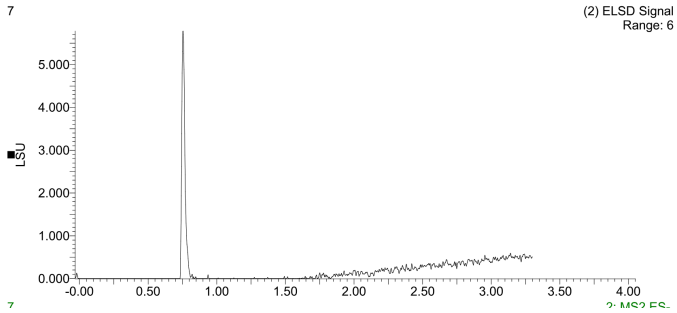
CAS:	50-56-6
Formula:	$C_{43}H_{66}N_{12}O_{12}S_2$
Mol Weight:	~1007.193 g/mol

Pubchem CID: 439302

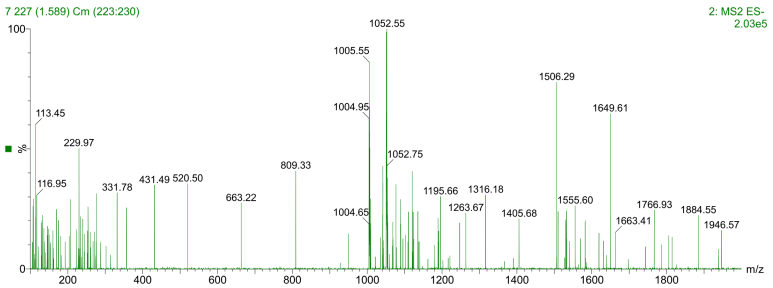
Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

	Specification	Result	Scan to Validate:
Compound Test:	Oxytocin	Oxytocin	
Quantity:	5mg	4.79mg	
Purity:	>98%	99.41%	

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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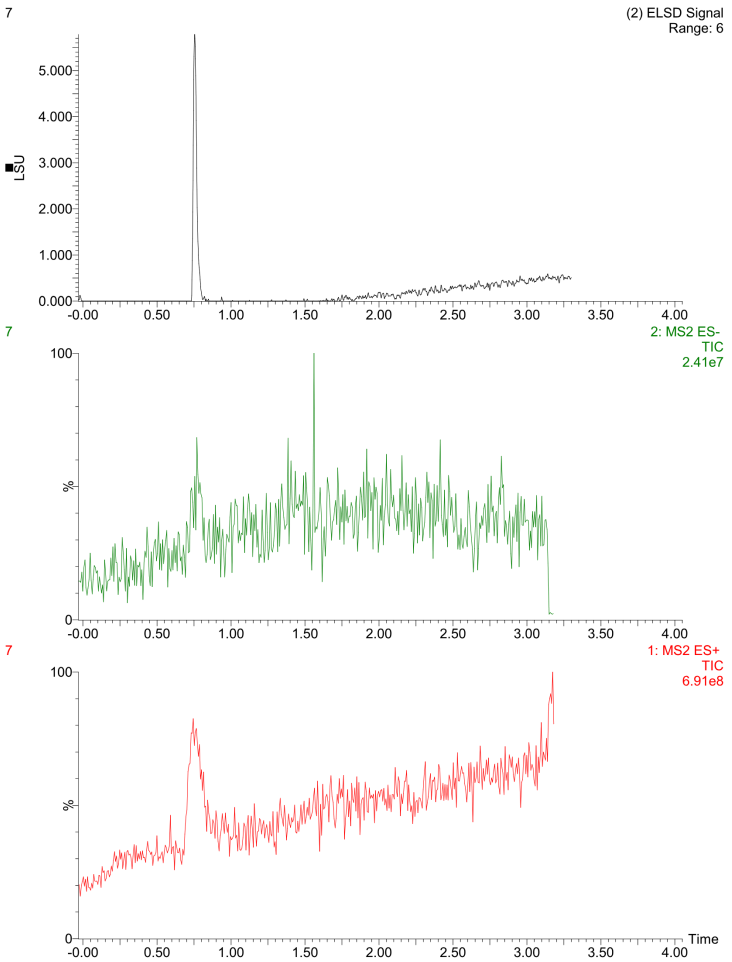
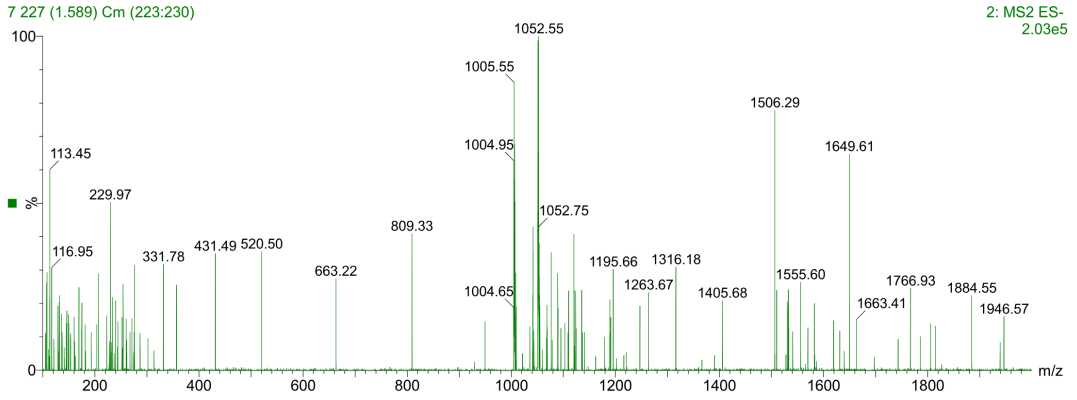
Oxytocin (5mg) • Pubchem CID: 439302

Ultra High Performance Liquid Chromatography (UPLC)



Mass Spectrometry (MS)