vanguard analytical

Certificate of Analysis

Lot Number: PTM2-5180
Client Name: Source Peptides
Identity: www.sourcepeptides.co

Received Date: 8/1/2026
Analysis Conducted: 8/3/2026

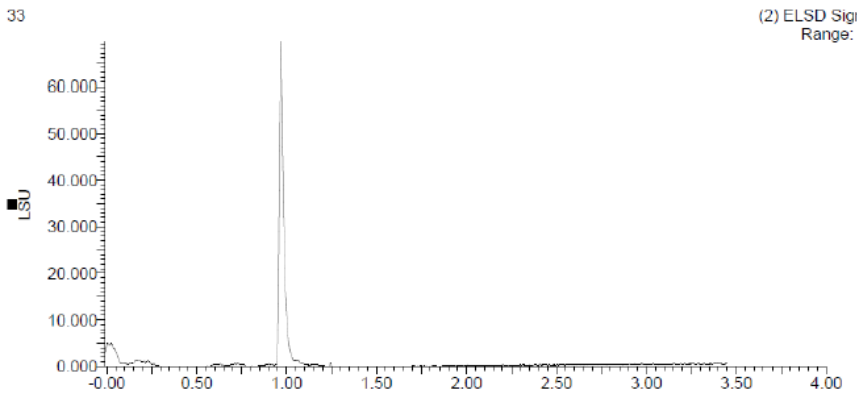
Compound:	**Melanotan II**
Lot:	**PTM2-5180**
Appearance:	**White Lyophilized Powder**

CAS:	**121062-08-6**
Formula:	**$C_{50}H_{69}N_{15}O_9$**
Mol Weight:	**~1024.2 g/mol**

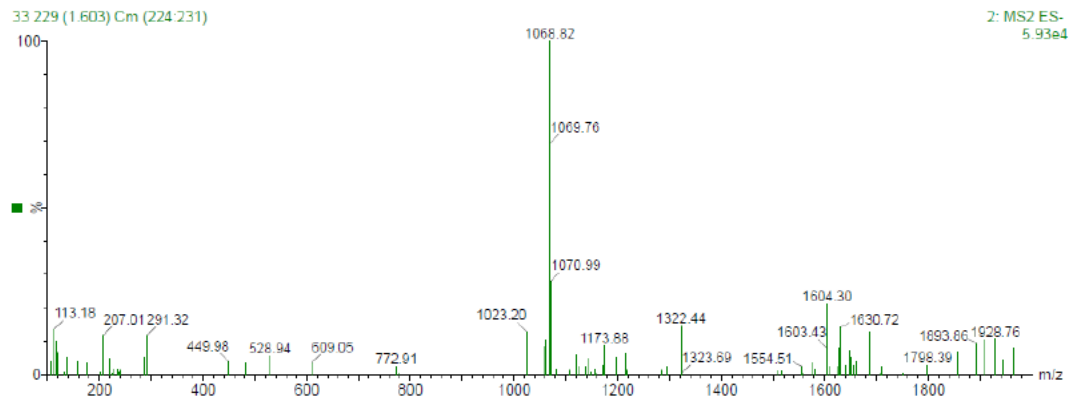
PubChem CID: 92432

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

	Specifications	Result	Scan to Validate
Compound Test:	**Melanotan II**	**Melanotan II**	
Quantity:	**10mg**	**9.84mg**	
Purity:	**>98%**	**99.42%**	



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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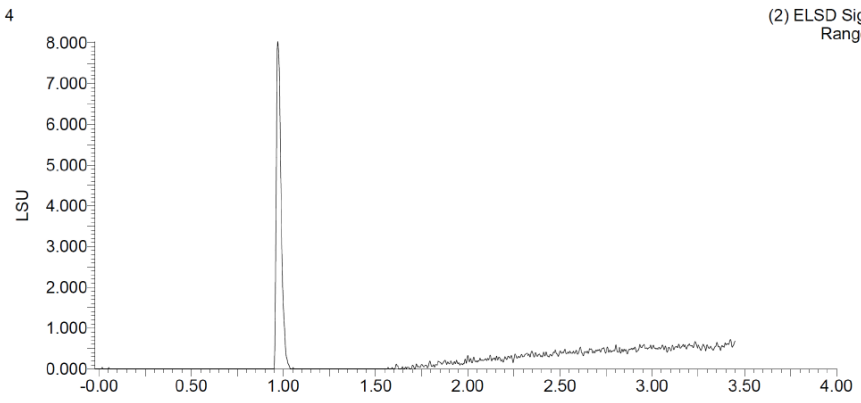
Compound:	**PT-141**
Lot:	**PTM2-5180**
Appearance:	**White Lyophilized Powder**

CAS:	**189691-06-3**
Formula:	**$C_{50}H_{68}N_{14}O_{10}$**
Mol Weight:	**~1025.2 g/mol**

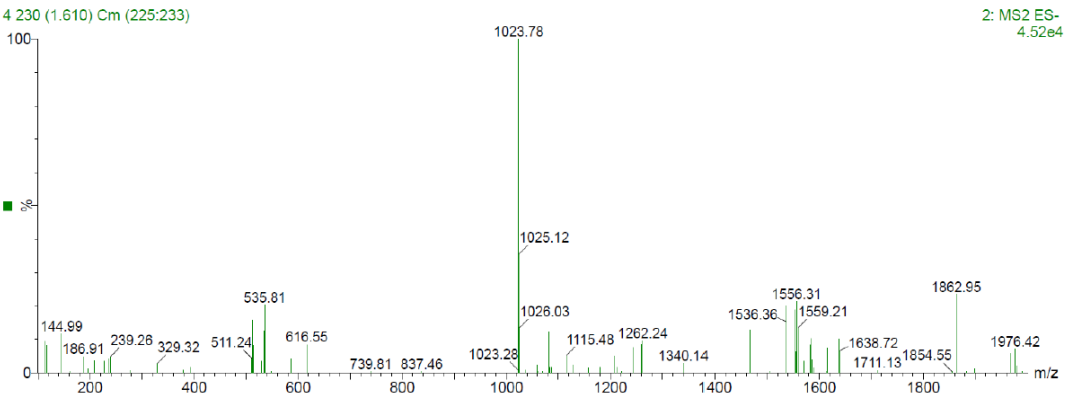
PubChem CID: 9941379

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

	Specifications	Result	Scan to validate
Compound Test:	**PT-141**	**PT-141**	
Quantity:	**10mg**	10.02mg	
Purity:	**>98%**	**99.28%**	



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.