

## LABORATORY ANALYSIS REPORT

Report ID: #257821-A

Date of Analysis: December 18, 2025

Status:  Verified

Lab: GE Phama Tech

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### 1. Sample Information

The sample was supplied by post, powder in vial without brand.

- **Sample Name:** Melanotan I
- **Physical Form :** White Crystalline Powder
- **Claimed Concentration:** N/A (Solid)
- **Lot Number:** P251117
- **Client:** PLZ

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### 2. Analysis Results

The sample was analyzed using **High-Performance Liquid Chromatography (HPLC)** with UV detection to determine chemical purity and identity by **MASS**.

- **Purity:** 98.998%
- **Contents:** 10.19mg
- **Identity:** Confirmed via Mass Spectrometry (MS)

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### 3. Chromatogram & Peak Data Table

*Note: Methodology & Equipment stated; attached*

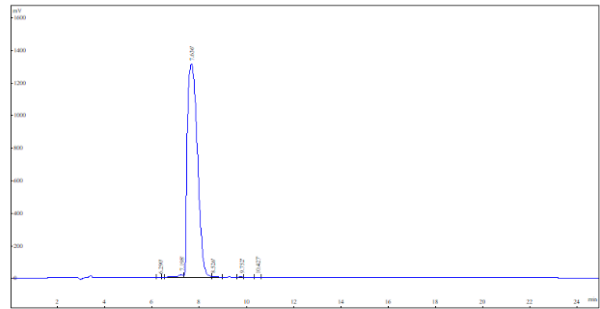
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### 4. Conclusion

Comments:

Analyst: 

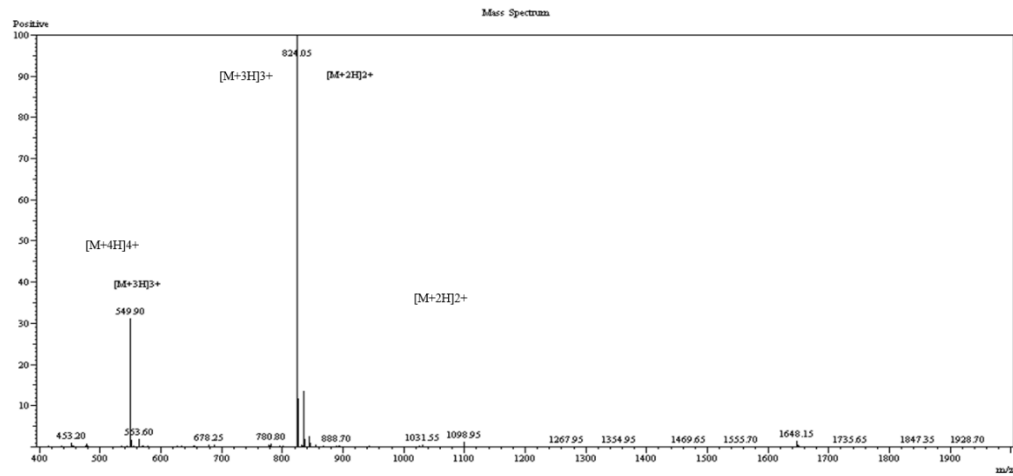
Product Name: M1  
Instrument No: 0200047  
Lot No : P251117  
Column :4.6\*250mm, kromasil C18-5  
Solvent A :0.1%Trifluoroacetic in 100% Acetonitrile  
Solvent B :0.1%Trifluoroacetic in 100% Water  
Gradient :           A           B  
          0.01min 25%       75%  
          25min 50%       50%  
          25.1min 100%     0%  
          30min       Stop  
Flow rate :1.0ml/min  
Wavelength :220nm  
Volume:5ul  
File opened: F:\519432-25-50.hw, where



Rank	Time	Conc.	Area	Height
1	6.290	0.0237	8898	1182
2	7.198	0.7496	281736	16206
3	7.636	98.9980	37206784	1305612
4	8.526	0.1510	56746	4004
5	9.752	0.0393	14769	1366
6	10.427	0.0384	14446	1538
Total		100	37583379	1329908

HPLC Chromatography

### MASS SPECTROMETRY REPORT



Sample Description		Instrument		SHIMADZU LCMS-2020	
Analyzed date:	2025-12-18	Probe:	ESI	Probe Bias:	+4.5kv
Analyst:	SHAO	Nebulizer Gas Flow:	1.5L/min	Detector:	1.5kv
Sample:	M1	CDL:	-20.0v	T. Flow:	0.2ml/min
M.W.:	1646.9	CDL Temp.:	250 °C	B. Conc.:	50%H <sub>2</sub> O/50%ACN
Lot. No.:	P251117	Block Temp.:	200 °C		

MASS Spectrum