

LABORATORY ANALYSIS REPORT

Report ID: #257821-A

Date of Analysis: December 18, 2025

Status: Verified

Lab: GE Pharma Tech

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

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)

3. Chromatogram & Peak Data Table

Note: Methodology & Equipment stated; attached

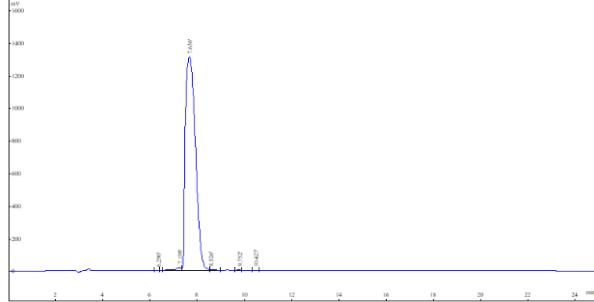
4. Conclusion

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 :
 0.01min A 25%
 25min 50%
 25.1min 100%
 30min Stop
 Flow rate :1.0ml/min
 Wavelength :220nm
 Volume:5ul

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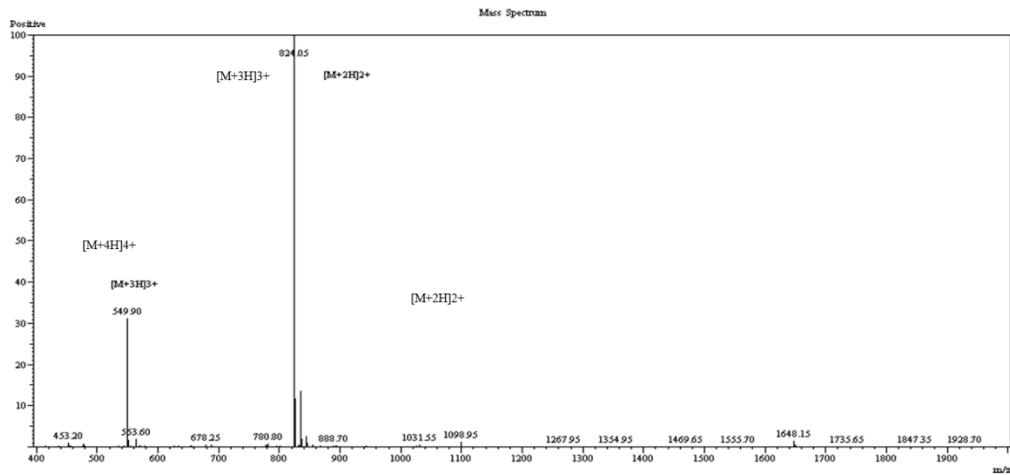


Rank	Time	Conc.	Area	Height
1	6.290	0.0237	8898	1182
2	7.198	0.7496	281736	16206
3	7.636	98.9980	37206784	1305612
4	8.526	0.1510	56746	4004
5	9.752	0.0393	14769	1366
6	10.427	0.0384	14446	1538

Total 100 37583379 1329908

HPLC Chromatography

MASS SPECTROMETRY REPORT



Sample Description

Analyzed date: 2025-12-18
 Analyst: SHAO
 Sample: M1
 M.W.: 1646.9
 Lot. No.: P251117

Instrument

SHIMADZU LCMS-2020
 Probe: ESI
 Nebulizer Gas Flow: 1.5L/min
 CDL: -20.0v
 CDL Temp.: 250 °C
 Block Temp.: 200 °C
 Probe Bias: +4.5kv
 Detector: 1.5kv
 T. Flow: 0.2ml/min
 B. Conc.: 50%H2O/50%ACN

MASS Spectrum