



TEST REPORT

E: contact@tjqxgd.com

W: www.tjqxgd.com

MT1-20260908S6179

Sample Received: 2026-09-08

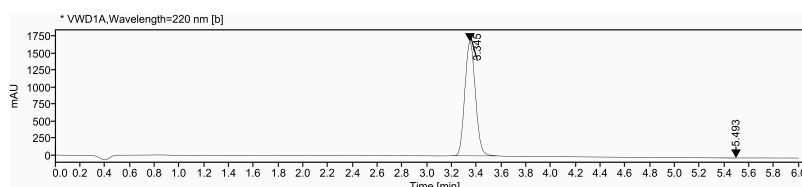
Authentication Code:

Analysis date: 2026-09-09



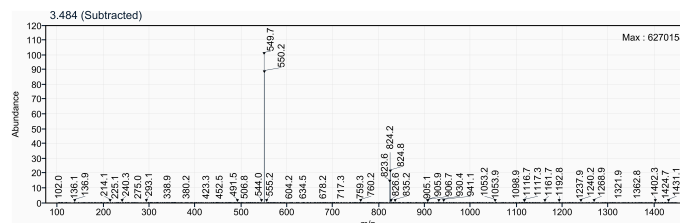
Compound	MT1/Melanotan I	CAS Number	75921-69-6
Formula	C ₇₈ H ₁₁₁ N ₂₁ O ₁₉	Molecular Weight	1646.8
Batch Number	5828704		
Manufacturer	https://pllaboratory.com Telegram:@Factory_Global		

HPLC-MS Details:



Signal: * VWD1A,Wavelength=220 nm [b]

RT [min]	Type	Width [min]	Area	Height	Area%
3.345	MM m	0.4017	9963.8090	1679.7266	99.8317
5.493	MM m	0.2076	16.7988	2.3453	0.1683
Sum			9980.6078		



Result:

Test Items	Specification	Results
Appearance	White to off-white powder	White powder
Purity (LCMS/HPLC)	≥ 99.0%	99.83%
Mass Spectrum	Conforms to [M+3/2] ^{3/2+}	Detected
Peptide Weight	9.89 mg	

Peng Gao

Zhibo Li

Peng Gao, Data Compilation

Zhibo Li, Technical Review

重要声明 / Important Notice

本检测数据由第三方合作实验室提供, 本公司负责数据整理、审核与文件出具。本公司及合作检测方均不持有 CMA/CNAS 认证资质, 本文件不具有法定证明效力, 不得用于监管申报、诉讼举证或其他要求法定认证文件的用途。相关产品仅限科学研究用途, 不得用于人类或兽医用途、诊断、治疗或临床应用。

This test data is provided by a third-party partner laboratory; our company is responsible for data compilation, review, and issuance of the document. Neither our company nor the partner testing laboratory holds CMA/CNAS accreditation, and this document does not carry legal certification validity. It shall not be used for regulatory submissions, litigation evidence, or any other purpose requiring legally accredited documentation. The related products are intended for scientific research use only and have not been approved for human or veterinary use, diagnosis, treatment, or clinical application. Results should be interpreted by qualified professionals within the intended scope of research.

LCMS Sample Purity - Detailed Report



Result set name: SingleSample

Data file: MT1.dx

Project name: 2026

Sample name: MT1

Operator: admin

Instrument: LCMS

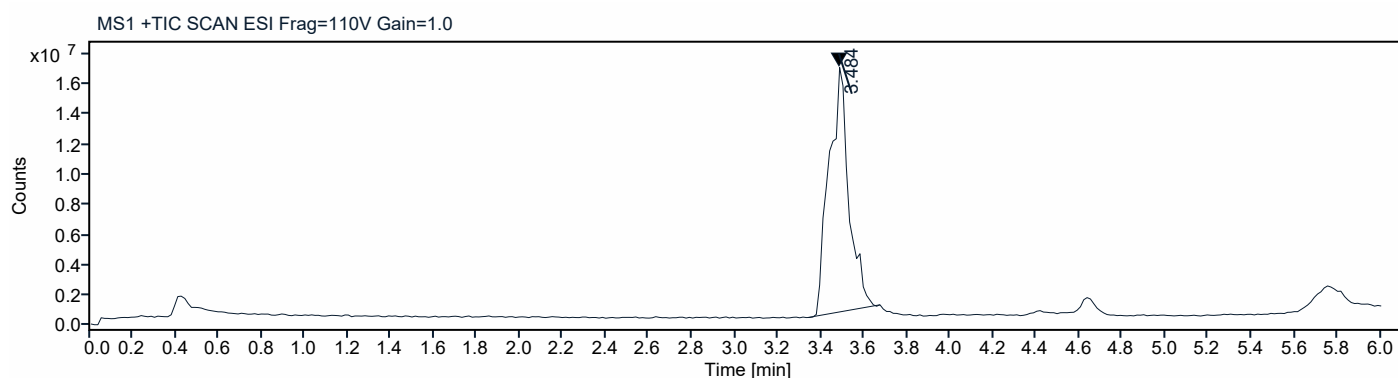
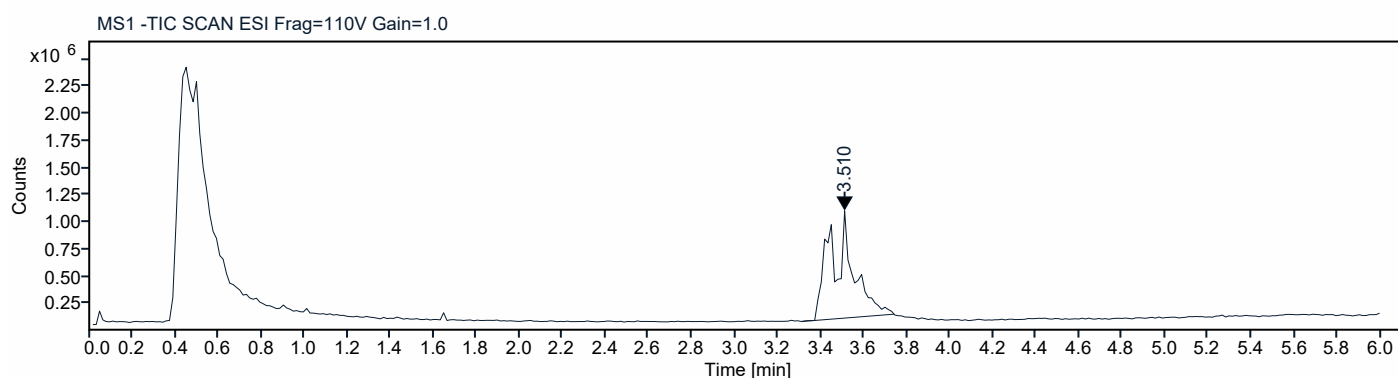
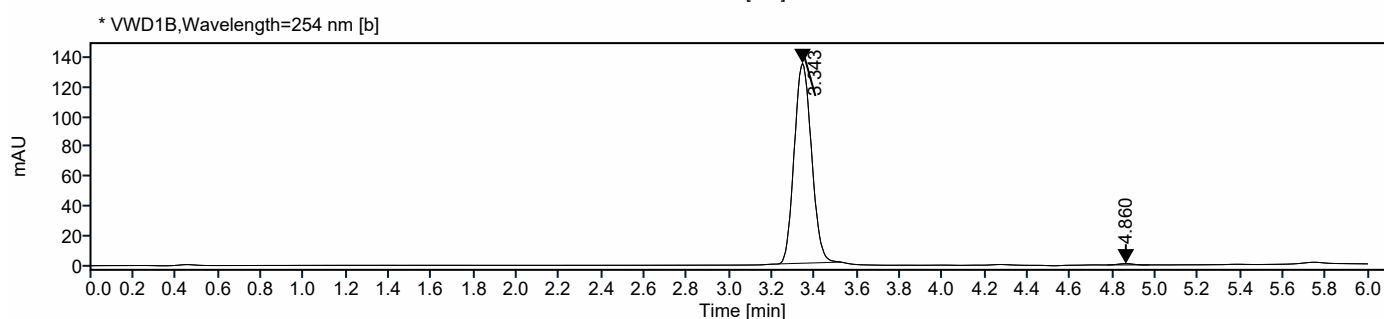
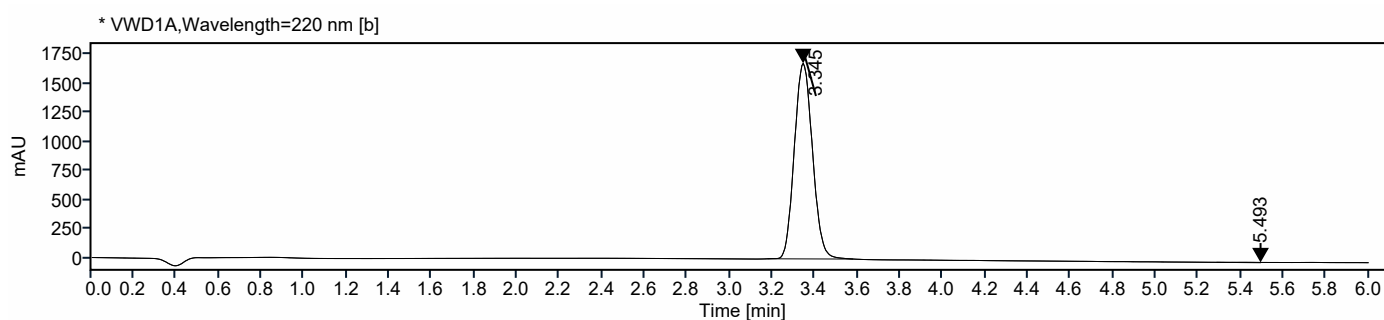
Acquired on: 2026-09-09 11:27:07+08:00

Inj. volume: 5.000 μ L

Location: P1-D2

Acq. method: LCMS-02AB.amx

Processing method: LCMS-LJJ.pmx



Signal: MS1 +TIC SCAN ESI Frag=110V Gain=1.0

RT [min]	Type	Width [min]	Area	Height	Area%
3.484	MM m	0.3341	103829452.6 157	16252775.49 96	100.0000
Sum			103829452.6 157		

Signal: MS1 -TIC SCAN ESI Frag=110V Gain=1.0

RT [min]	Type	Width [min]	Area	Height	Area%
3.510	BM m	0.4311	7348077.70 73	988186.1482	100.0000
Sum			7348077.70 73		

Signal: * VWD1A,Wavelength=220 nm [b]

RT [min]	Type	Width [min]	Area	Height	Area%
3.345	MM m	0.4017	9963.8090	1679.7266	99.8317
5.493	MM m	0.2076	16.7988	2.3453	0.1683
Sum			9980.6078		

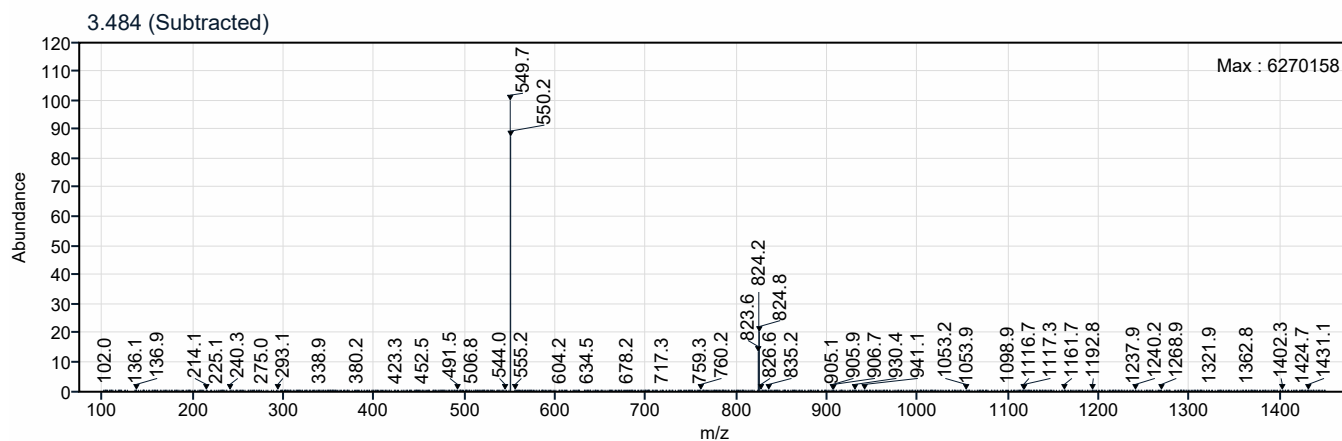
Signal: * VWD1B,Wavelength=254 nm [b]

RT [min]	Type	Width [min]	Area	Height	Area%
3.343	MM m	0.2933	755.0119	133.8964	99.4577
4.860	MM m	0.1986	4.1170	0.8523	0.5423
Sum			759.1289		

Peak Details (Area Percent at least 1%)

Signal Description: MS1 +TIC SCAN ESI Frag=110V Gain=1.0

Peak RT: 3.484 min **Area %:** 100.00%



Signal Description: MS1 -TIC SCAN ESI Frag=110V Gain=1.0

Peak RT: 3.510 min **Area %:** 100.00%

