



TEST REPORT

RT50-20260831S4288

Authentication Code:

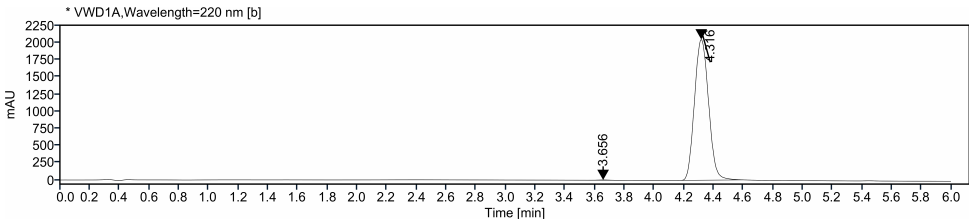
Sample Received: 2026-08-31

Analysis date: 2026-09-01



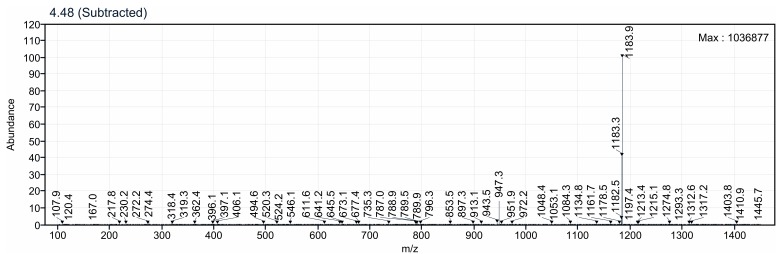
Compound	RT50/Retatrutide	CAS Number	2381089-83-2
Formula	C ₂₂₁ H ₃₄₂ N ₄₆ O ₆₈	Molecular Weight	4731.41
Manufacturer	JAMES JPEP		

HPLC-MS Details:



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

RT [min]	Type	Width [min]	Area	Height	Area%
3.656	MM m	0.1760	20.2299	4.2419	0.1496
4.316	MM m	0.4468	13502.2372	2050.2266	99.8504
Sum			13522.4670		



Result:

Test Items	Specification	Results
Appearance	White to off-white powder	White powder
Purity (LCMS/HPLC)	≥ 99.0%	99.85%
Mass Spectrum	Conforms to [M+4H] ⁴⁺	Detected
Peptide Weight	59.92 mg	

Peng Gao

Zhibo Li

Peng Gao, Data Compilation

Zhibo Li, Technical Review

重要声明 / Important Notice

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LCMS Sample Purity - Detailed Report



Result set name: SingleSample

Data file: RT50.dx

Sample name: RT50

Instrument: LCMS

Inj. volume: 5.000 µL

Acq. method: LCMS-02AB.amx

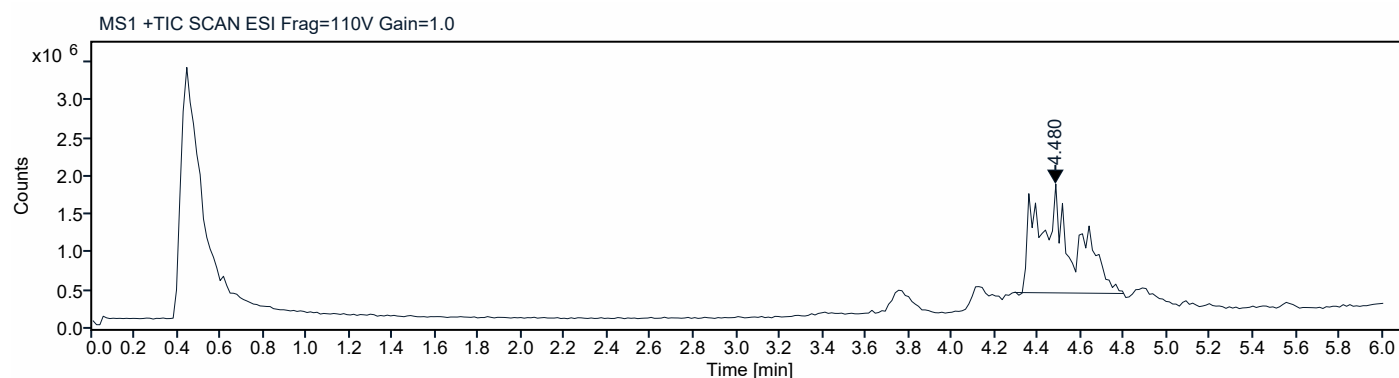
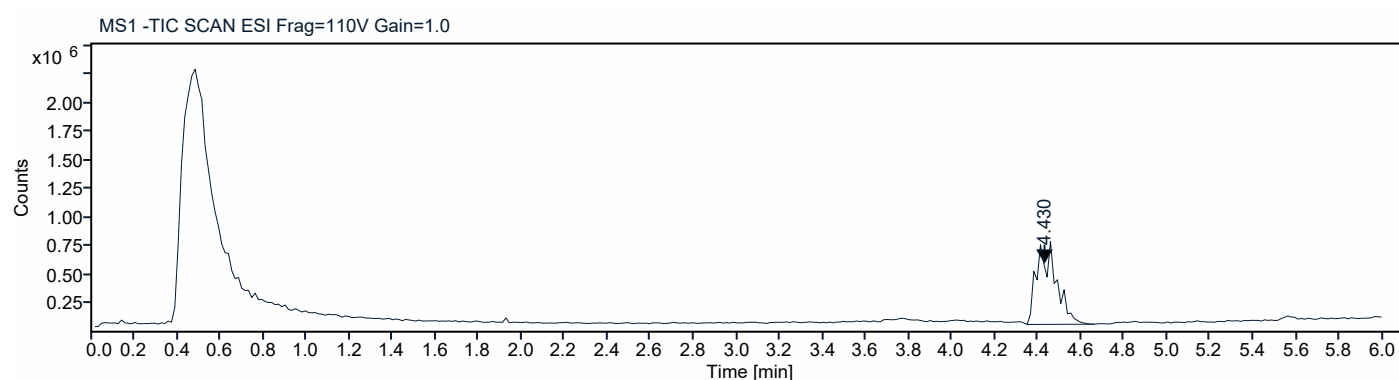
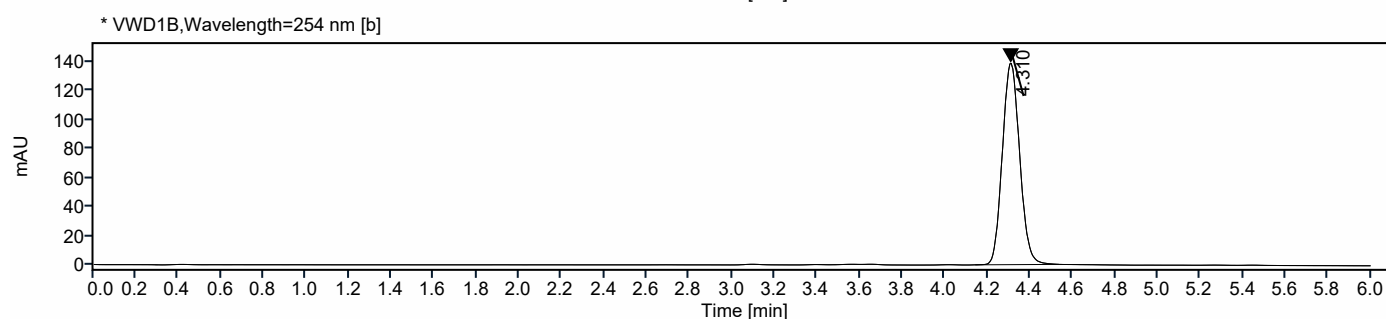
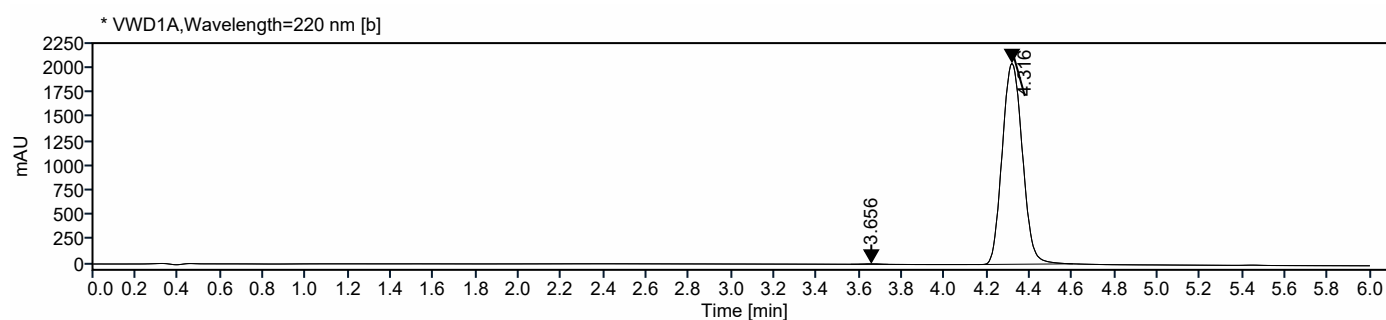
Processing method: LCMS-LJJ.pmx

Project name: 2026

Operator: admin

Acquired on: 2026-09-01 08:28:29+08:00

Location: P2-D7



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

RT [min]	Type	Width [min]	Area	Height	Area%
4.480	MM m	0.5102	16731148.08 07	1433200.26 14	100.0000
Sum			16731148.08 07		

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

RT [min]	Type	Width [min]	Area	Height	Area%
4.430	BB	0.3107	4515864.19 24	529210.8308	100.0000
Sum			4515864.19 24		

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

RT [min]	Type	Width [min]	Area	Height	Area%
3.656	MM m	0.1760	20.2299	4.2419	0.1496
4.316	MM m	0.4468	13502.2372	2050.2266	99.8504
Sum			13522.4670		

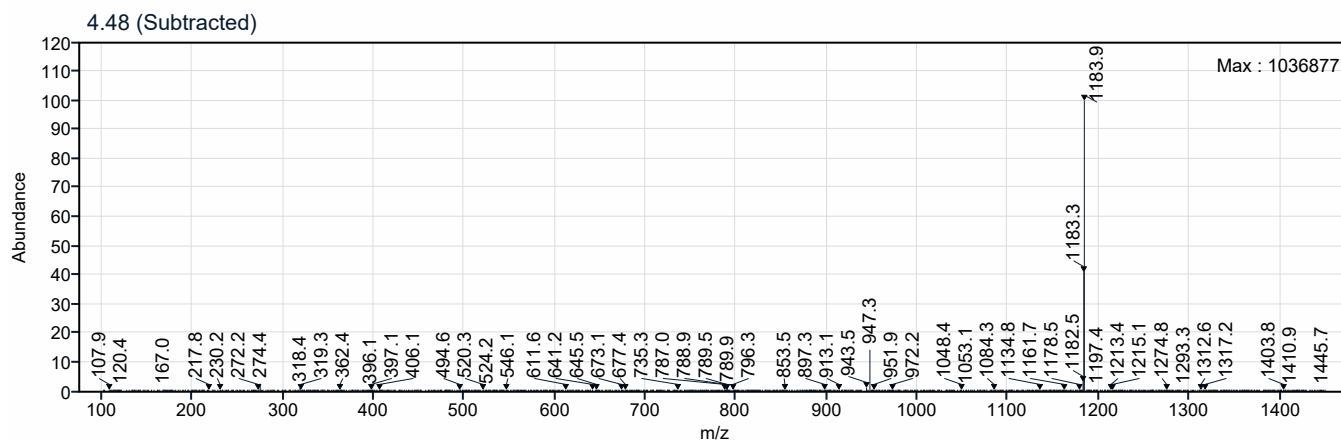
Signal: * VWD1B,Wavelength=254 nm [b]

RT [min]	Type	Width [min]	Area	Height	Area%
4.310	MM m	0.3926	788.4602	139.6209	100.0000
Sum			788.4602		

Peak Details (Area Percent at least 1%)

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

Peak RT: 4.480 min **Area %:** 100.00%



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

Peak RT: 4.430 min **Area %:** 100.00%

