TEST REPORT

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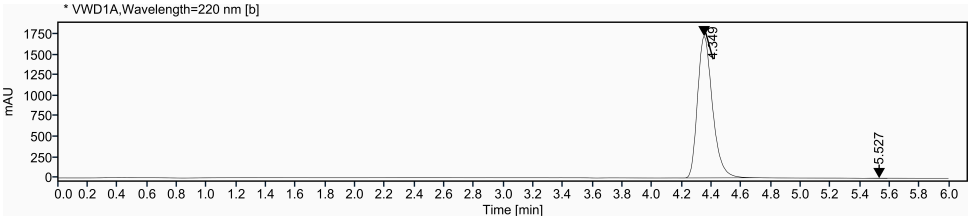
RT30-20261009S0580 **Sample Received: 2026-10-09**

Authentication Code: **Analysis date: 2026-10-09**



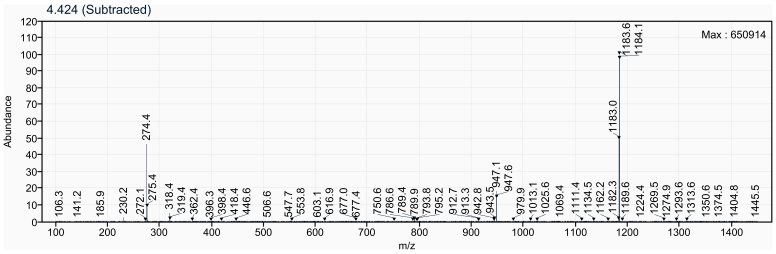
Compound	RT30/Retatrutide	CAS Number	2381089-83-2
Formula	$C_{221}H_{342}N_{46}O_{68}$	Molecular Weight	4731.41
Manufacturer	Lumina Peptides		

HPLC-MS Details:



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

RT [min]	Type	Width [min]	Area	Height	Area%
4.349	MM m	0.5499	12047.1712	1727.5599	99.8526
5.527	MM m	0.1535	17.7787	2.5185	0.1474
		Sum	**12064.9499**		



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
Net Content	30.91 mg	

Peng Gao, Data Compilation Zhibo Li, Technical Review

重要声明 / Important Notice

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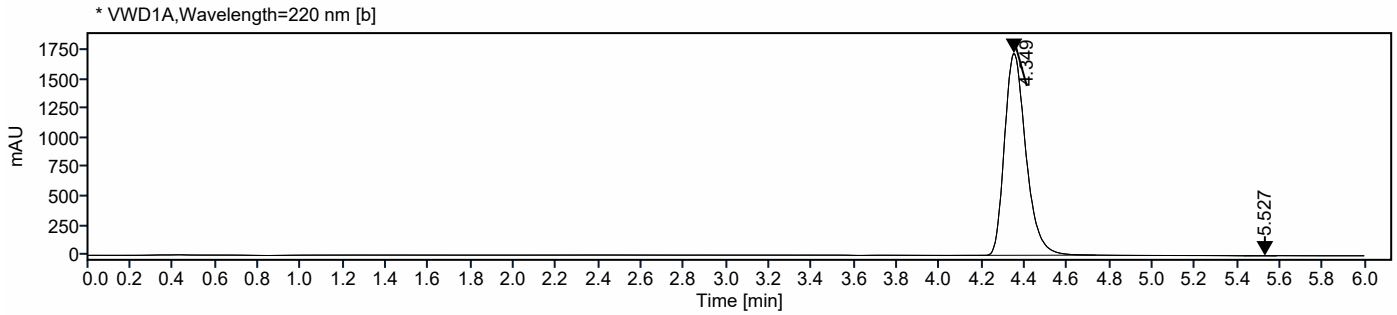
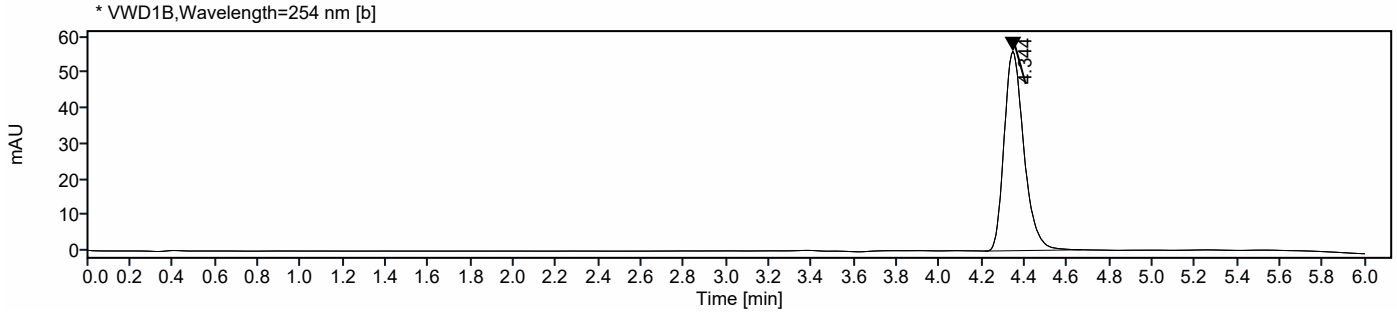
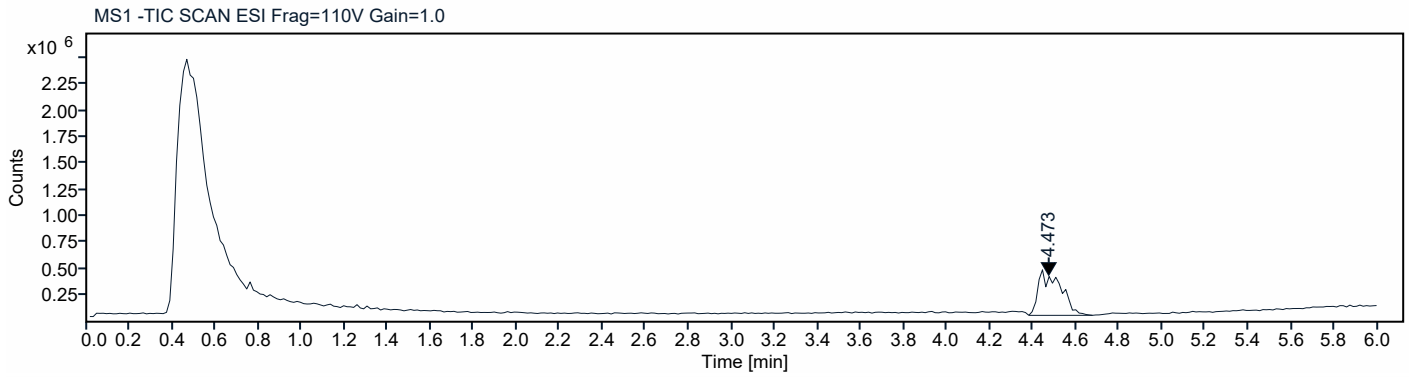
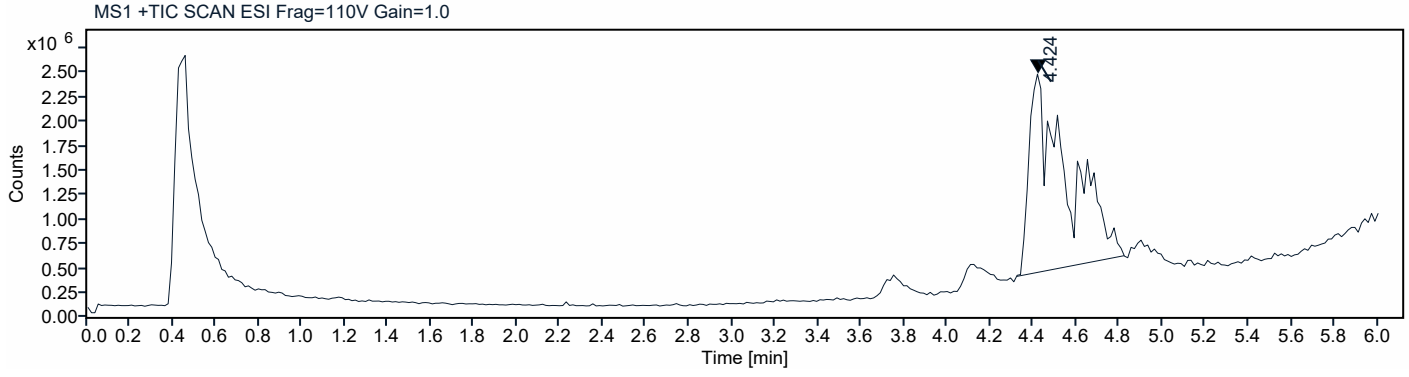
LCMS Sample Purity - Detailed Report

Result set name:	SingleSample		
Data file:	RT30.dx	**Project name:**	2026
Sample name:	RT30	**Operator:**	admin
Instrument:	LCMS	**Acquired on:**	2026-10-09 20:50:11+08:00
Inj. volume:	5.000 µL	**Location:**	P2-A1
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%
4.424	MM m	0.4990	24977578.6729	2026748.2177	100.0000
		Sum	**24977578.6729**		

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

RT [min]	Type	Width [min]	Area	Height	Area%
4.473	BB	0.2952	3066297.4976	367979.1591	100.0000
		Sum	**3066297.4976**		

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

RT [min]	Type	Width [min]	Area	Height	Area%
4.349	MM m	0.5499	12047.1712	1727.5599	99.8526
5.527	MM m	0.1535	17.7787	2.5185	0.1474
		Sum	**12064.9499**		

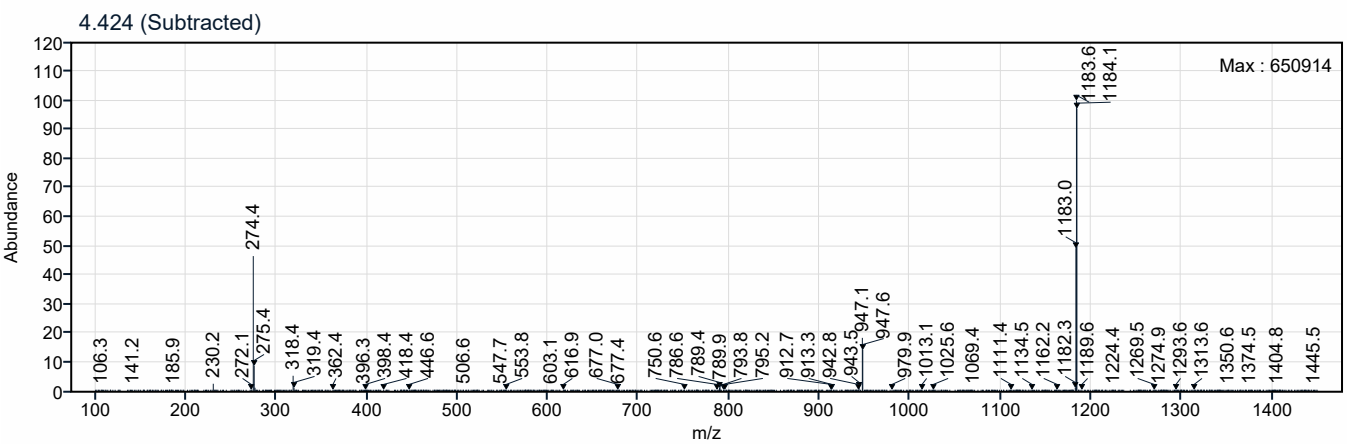
Signal: * VWD1B,Wavelength=254 nm [b]

RT [min]	Type	Width [min]	Area	Height	Area%
4.344	VM m	0.4524	361.2119	56.0335	100.0000
		Sum	**361.2119**		

Peak Details (Area Percent at least 1%)

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

Peak RT: 4.424 min **Area %:** 100.00%



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

Peak RT: 4.473 min **Area %:** 100.00%

