TEST REPORT

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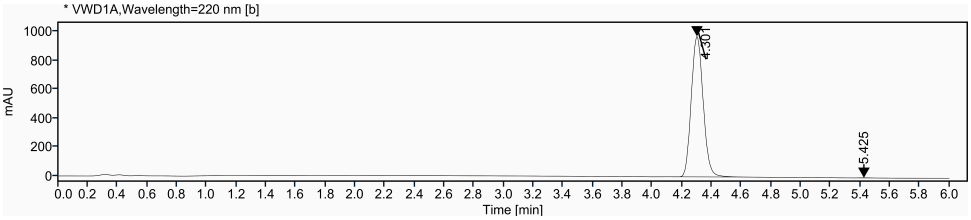
RT10-20260901S8240 **Sample Received: 2026-09-01**

Authentication Code: **Analysis date: 2026-09-02**

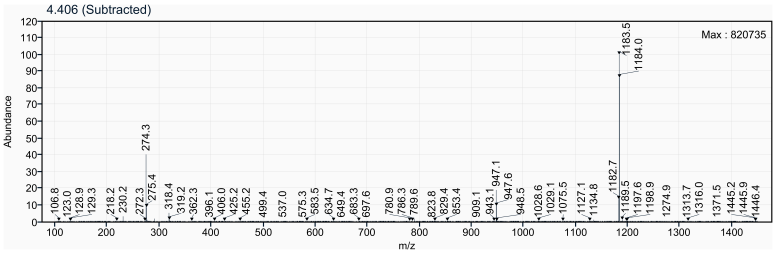
Compound	RT10/Retatrutide	CAS Number	2381089-83-2
Formula	$C_{221}H_{342}N_{46}O_{68}$	Molecular Weight	4731.41
Manufacturer	Pepperation Station		

HPLC-MS Details:



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

RT [min]	Type	Width [min]	Area	Height	Area%
4.301	MM m	0.5100	5424.2266	974.9950	99.8887
5.425	MM m	0.1986	6.0461	1.3275	0.1113
		Sum	**5430.2726**		



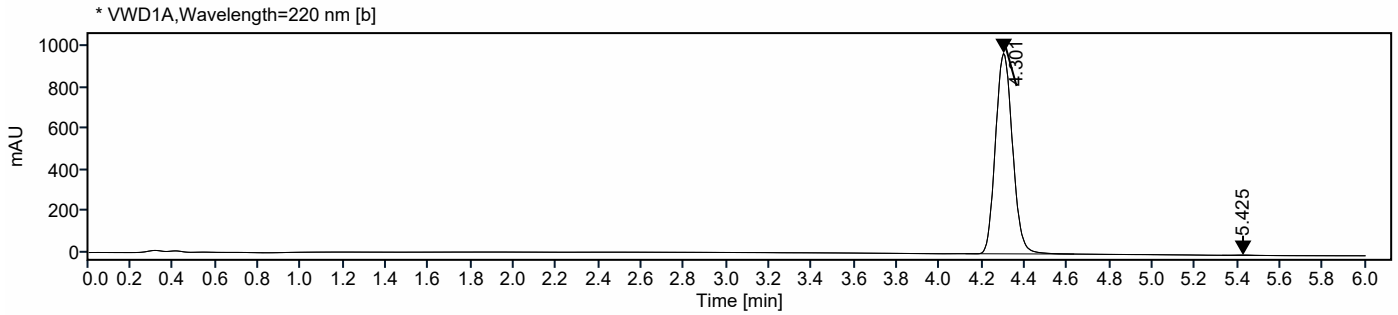
Result:

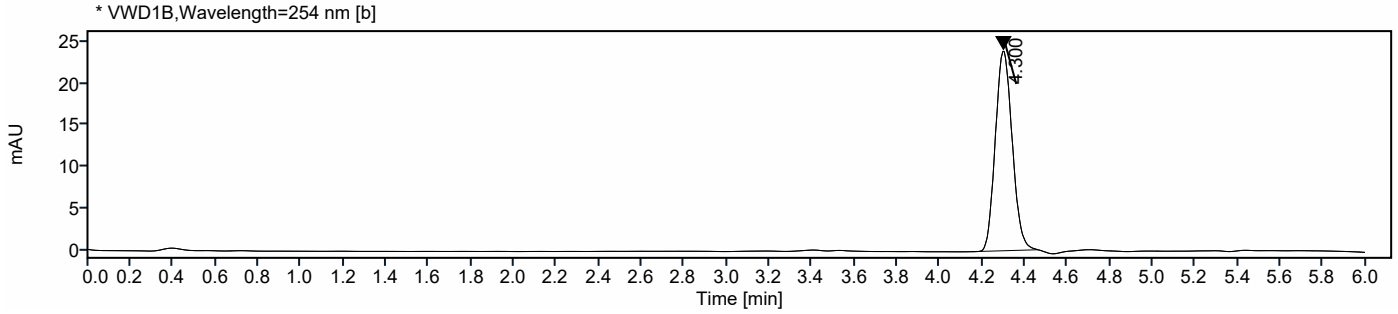
Test Items	Specification	Results
Appearance	White to off-white powder	White powder
Purity (LCMS/HPLC)	≥ 99.0%	99.88%
Mass Spectrum	Conforms to $[M+4H]^{4+}$	Detected
Peptide Weight	11.36 mg	

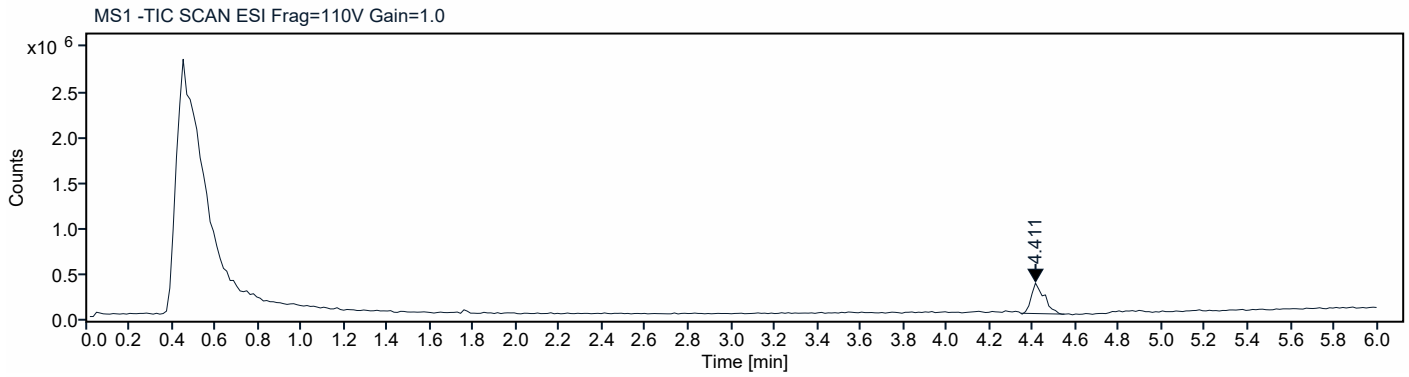
Peng Gao, Data Compilation Zhibo Li, Technical Review

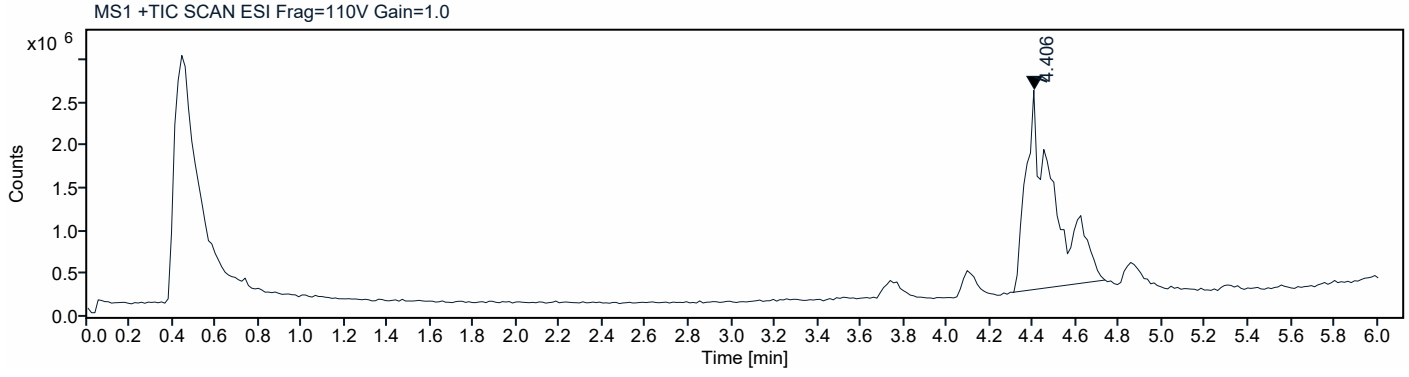
LCMS Sample Purity - Detailed Report

Result set name:	SingleSample		
Data file:	RT10.dx	**Project name:**	2026
Sample name:	RT10	**Operator:**	admin
Instrument:	LCMS	**Acquired on:**	2026-09-02 18:12:47+08:00
Inj. volume:	5.000 µL	**Location:**	P2-A3
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%
4.406	MM m	0.4289	21169188.5082	2324964.7684	100.0000
		Sum	**21169188.5082**		

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

RT [min]	Type	Width [min]	Area	Height	Area%
4.411	MM m	0.2026	1400622.5351	334359.3533	100.0000
		Sum	**1400622.5351**		

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

RT [min]	Type	Width [min]	Area	Height	Area%
4.301	MM m	0.5100	5424.2266	974.9950	99.8887
5.425	MM m	0.1986	6.0461	1.3275	0.1113
		Sum	**5430.2726**		

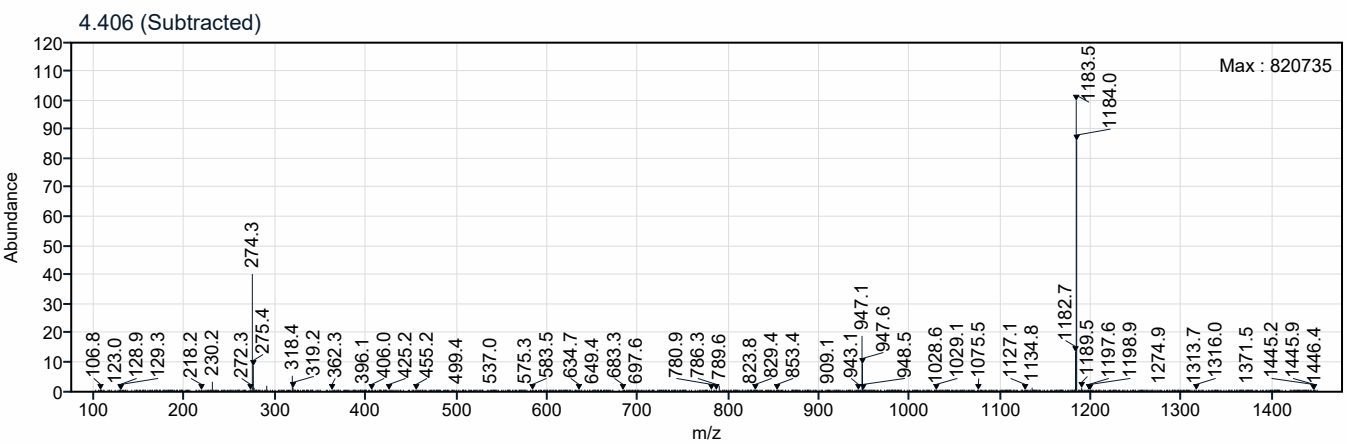
Signal: * VWD1B,Wavelength=254 nm [b]

RT [min]	Type	Width [min]	Area	Height	Area%
4.300	MM m	0.3114	131.9066	23.9940	100.0000
		Sum	**131.9066**		

Peak Details (Area Percent at least 1%)

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

Peak RT: 4.406 min **Area %:** 100.00%



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

Peak RT: 4.411 min **Area %:** 100.00%