



TEST REPORT

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RT20-20260914S1614

Sample Received: 2026-09-14

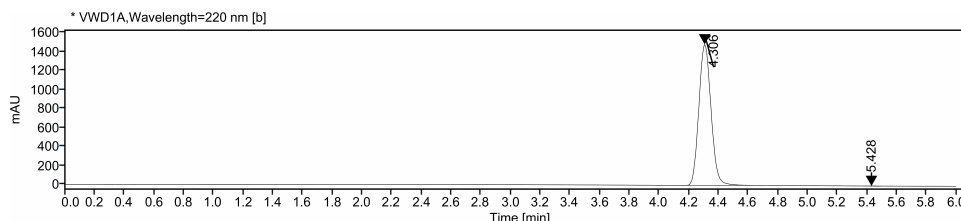
Authentication Code:

Analysis date: 2026-09-15



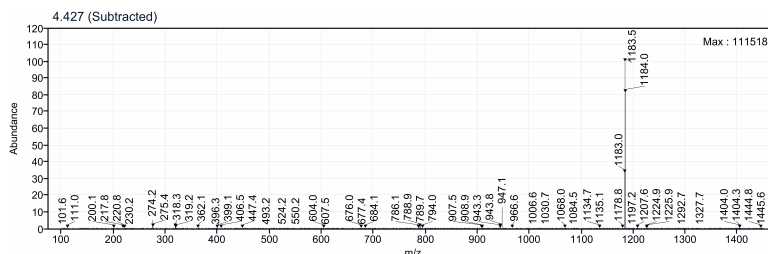
Compound	RT20/Retatrutide	CAS Number	2381089-83-2
Formula	C ₂₂₁ H ₃₄₂ N ₄₆ O ₆₈	Molecular Weight	4731.41
Manufacturer	N/A		

HPLC-MS Details:



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

RT [min]	Type	Width [min]	Area	Height	Area%
4.306	MM m	0.4874	8416.4932	1480.8660	99.8688
5.428	MM m	0.1534	11.0545	1.9215	0.1312
Sum			8427.5477		



Result:

Test Items	Specification	Results
Appearance	White to off-white powder	White powder
Purity (LCMS/HPLC)	≥ 99.0%	99.86%
Mass Spectrum	Conforms to [M+4H] ⁴⁺	Detected
Net Content	21.72 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: RT20.dx

Sample name: RT20

Instrument: LCMS

Inj. volume: 5.000 μ L

Acq. method: LCMS-02AB.amx

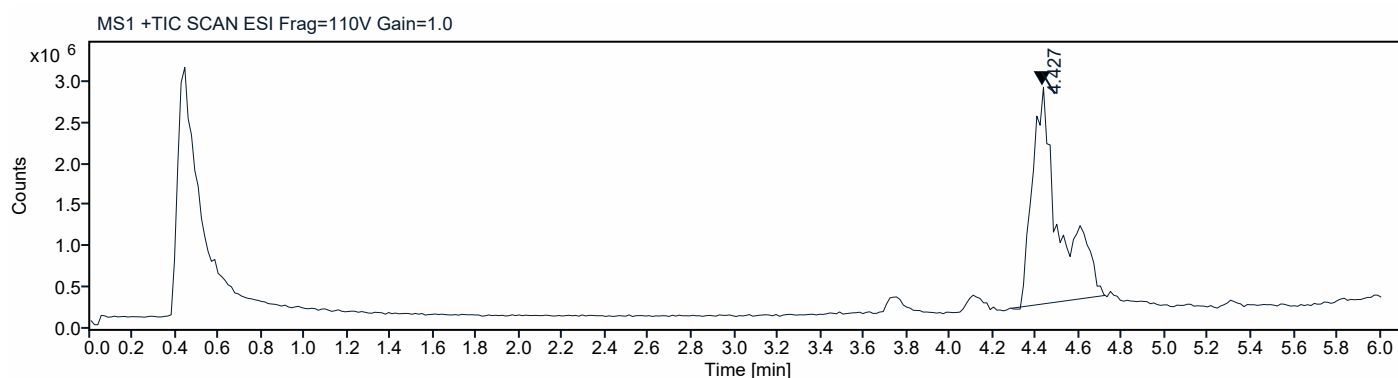
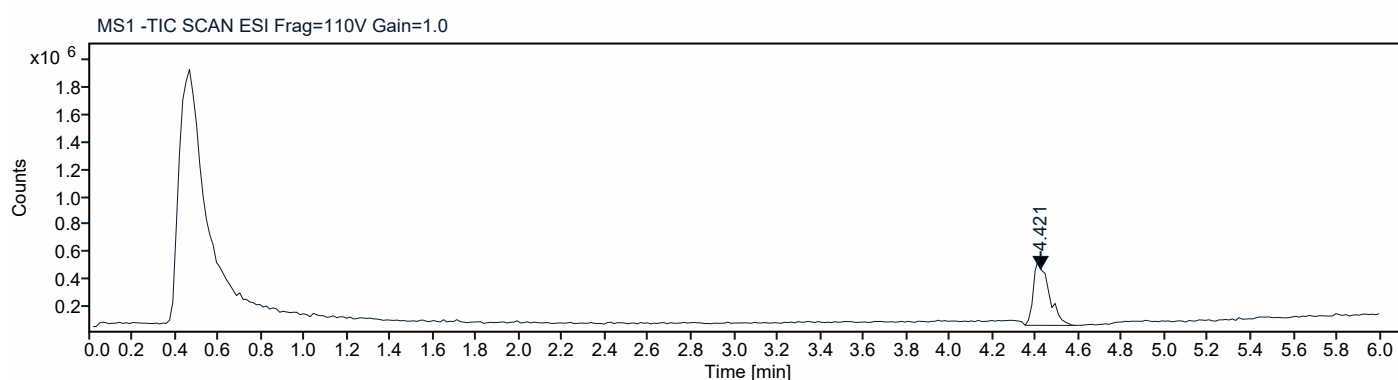
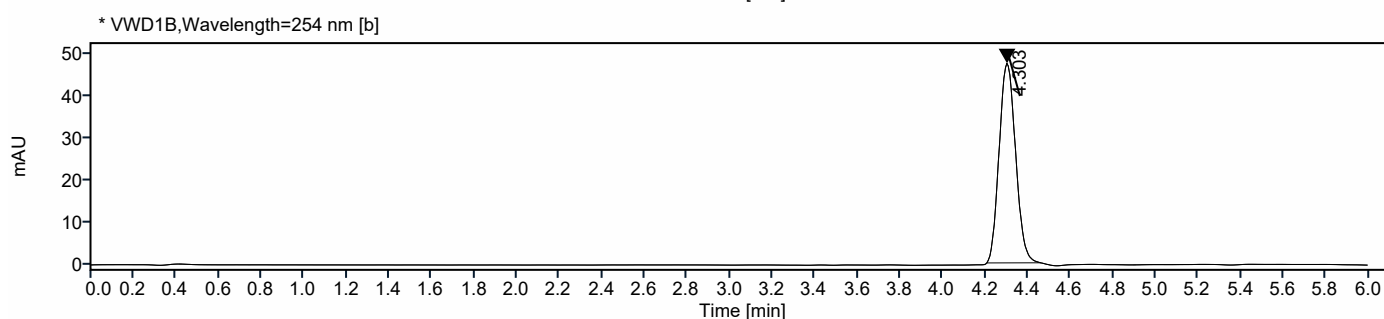
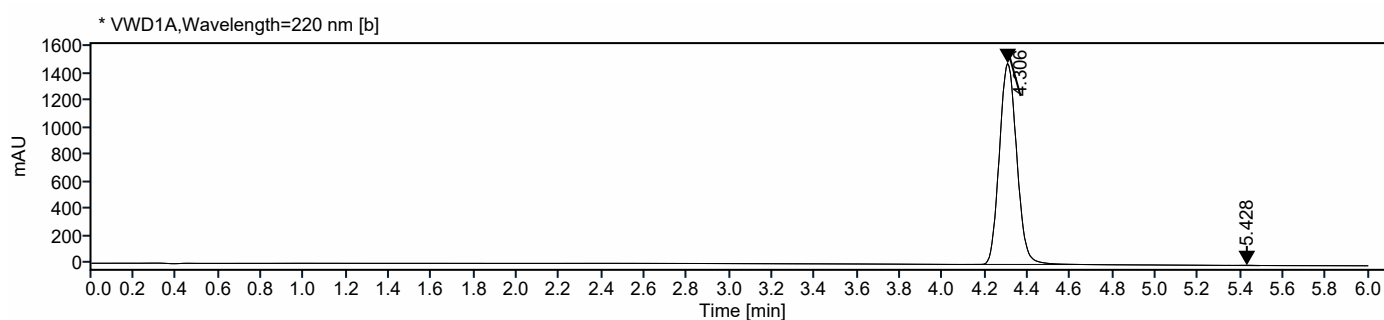
Processing method: LCMS-LJJ.pmx

Project name: 2026

Operator: admin

Acquired on: 2026-09-15 11:17:03+08:00

Location: P1-F6



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

RT [min]	Type	Width [min]	Area	Height	Area%
4.427	MM m	0.4379	22739614.07 25	2646622.96 42	100.0000
Sum			22739614.07 25		

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

RT [min]	Type	Width [min]	Area	Height	Area%
4.421	BB	0.2329	2390055.06 92	404068.6370	100.0000
Sum			2390055.06 92		

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

RT [min]	Type	Width [min]	Area	Height	Area%
4.306	MM m	0.4874	8416.4932	1480.8660	99.8688
5.428	MM m	0.1534	11.0545	1.9215	0.1312
Sum			8427.5477		

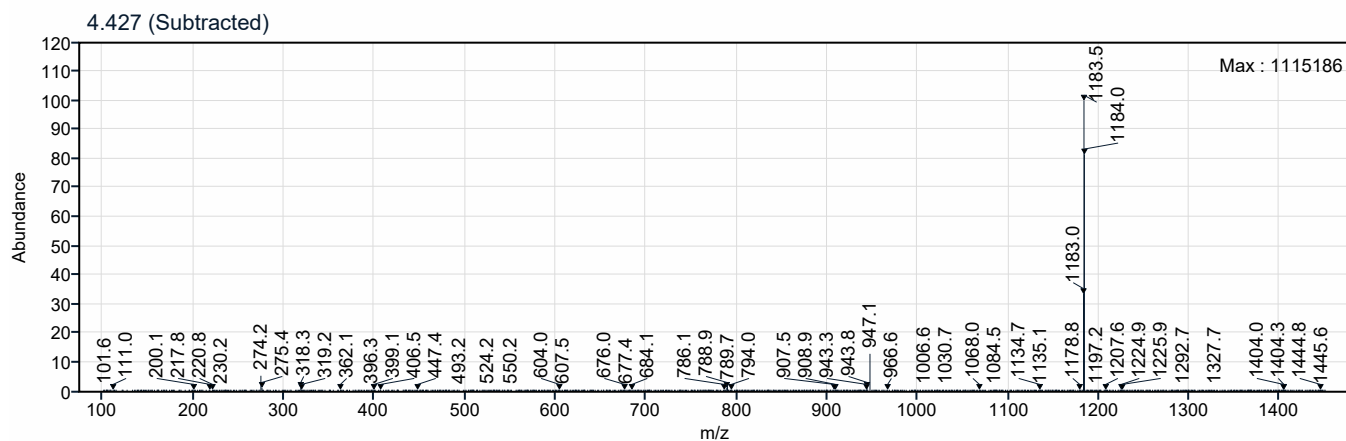
Signal: * VWD1B,Wavelength=254 nm [b]

RT [min]	Type	Width [min]	Area	Height	Area%
4.303	MM m	0.2527	253.9611	47.3176	100.0000
Sum			253.9611		

Peak Details (Area Percent at least 1%)

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

Peak RT: 4.427 min **Area %:** 100.00%



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

Peak RT: 4.421 min **Area %:** 100.00%

