

CERTIFICATE OF ANALYSIS

Product Information

Product Name:	Retatrutide
Lot No.:	VI9920241018-8
Sequence:	Y(Aib)QGTFTSDYSI(α-Me-Leu)LDKK{(AEEA)-γ-Glu-C20diacid}-AQ(Aib)AFIEYLLEGGPSSGAPPPS-NH2
Modifications:	C-Terminal Amidation

Quality Control

Test Items	Specifications	Results
Appearance	White to off-white lyophilized powder	White to off-white lyophilized powder (Conforms)
Molecular Weight (MS)	4731.34±1.0 Da	4730.70 Da
Purity by HPLC	>98%	99.0%
Retention Time (HPLC)	±0.2min of Standard	Conforms
Assay	80.0%~ 120.0%	97.2%
Solubility	8 mg/1ml H ₂ O	Clearly soluble
Sodium ion	≤3.0%	1.5%
TFA Content	≤0.500%	Conforms
DCM Content	≤0.060%	N.D.
DMF Content	≤0.088%	N.D.
Total Aerobic Count	≤100CFU/g	Conforms
Yeast & Molds Count	≤100CFU/g	Conforms
Endotoxins	≤0.5EU/mg	Conforms

Storage Conditions: -20°C.

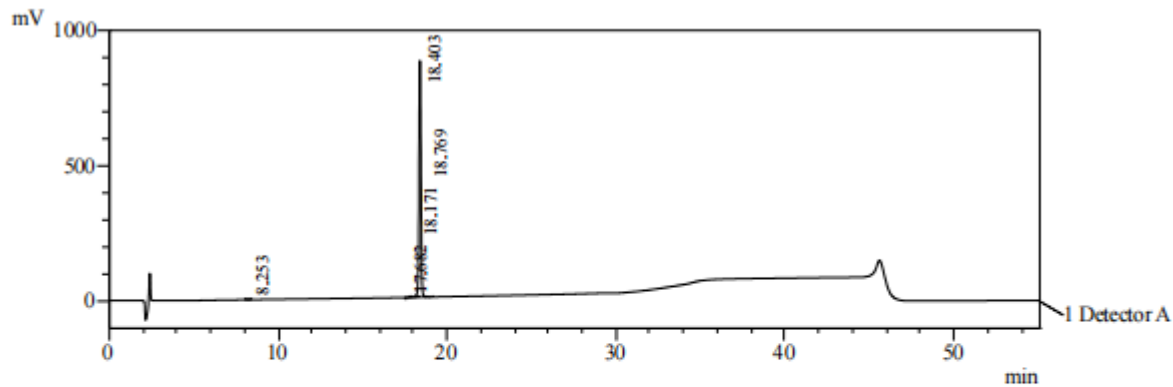
Date of Mfg: 18 Feb 2026

Sample Information

Lot. No	VI9920241018-8
Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	0.8ml/min
Wavelength	220nm
Analytical column type	Phenomenex Luna 3um C18 (2) (4.6*150mm*3um)
Dissolution method	100%H ₂ O
Acquisition Time	2026/2/21 13:36:24
Inj. Volume	12ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	35
25.00	Pumps	B.Conc	65
30.00	Pumps	B.Conc	90
40.00	Pumps	B.Conc	90
41.00	Pumps	B.Conc	35
55.00	Controller	Stop	

Chromatogram

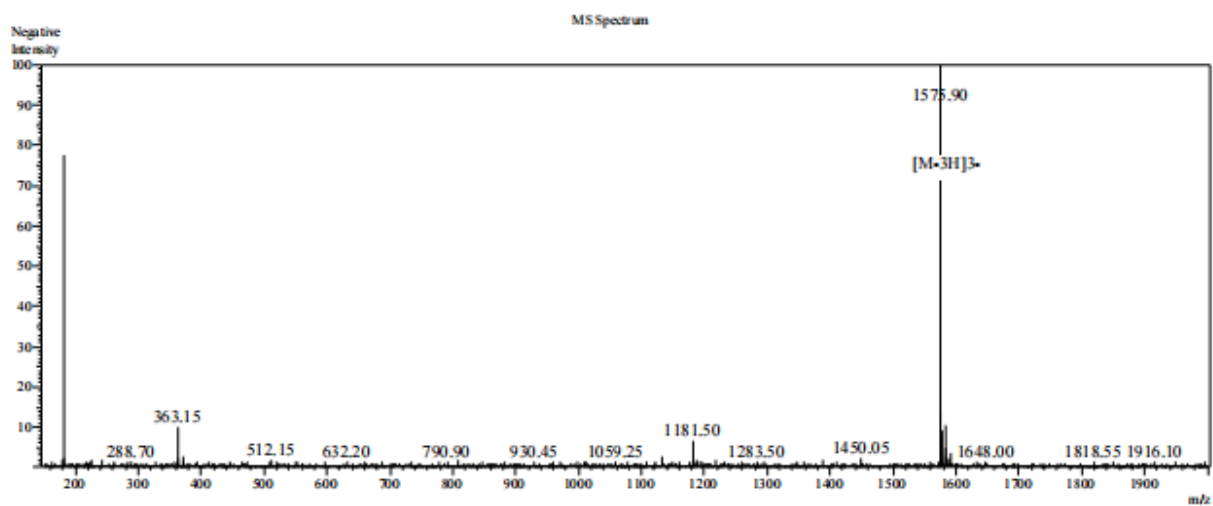


1 Detector A / 220nm

PeakTable

Detector A 220nm

Peak#	Ret. Time	Area	Height	Area %
1	8.253	5773	763	0.080
2	17.682	5681	598	0.079
3	18.171	40249	6605	0.557
4	18.403	7150224	877015	99.022
5	18.769	18922	1771	0.262
Total		7220849	886752	100.000



Lot No.	VI9920241018-8
Theoretical	4731.34
Observed	4730.70