

CERTIFICATE OF ANALYSIS

Product Information

Product Name:	Retatrutide
Lot No.:	VI9920251106-16
Sequence:	Y(Aib)QGTFTSDYSI(α -Me-Leu)LDKK {(AEEA)- γ -Glu-C20diacid}-AQ(Aib)AFIEYLLEGGPSSGAPPPS-NH2
Modifications:	C-Terminal Amidation

Quality Control

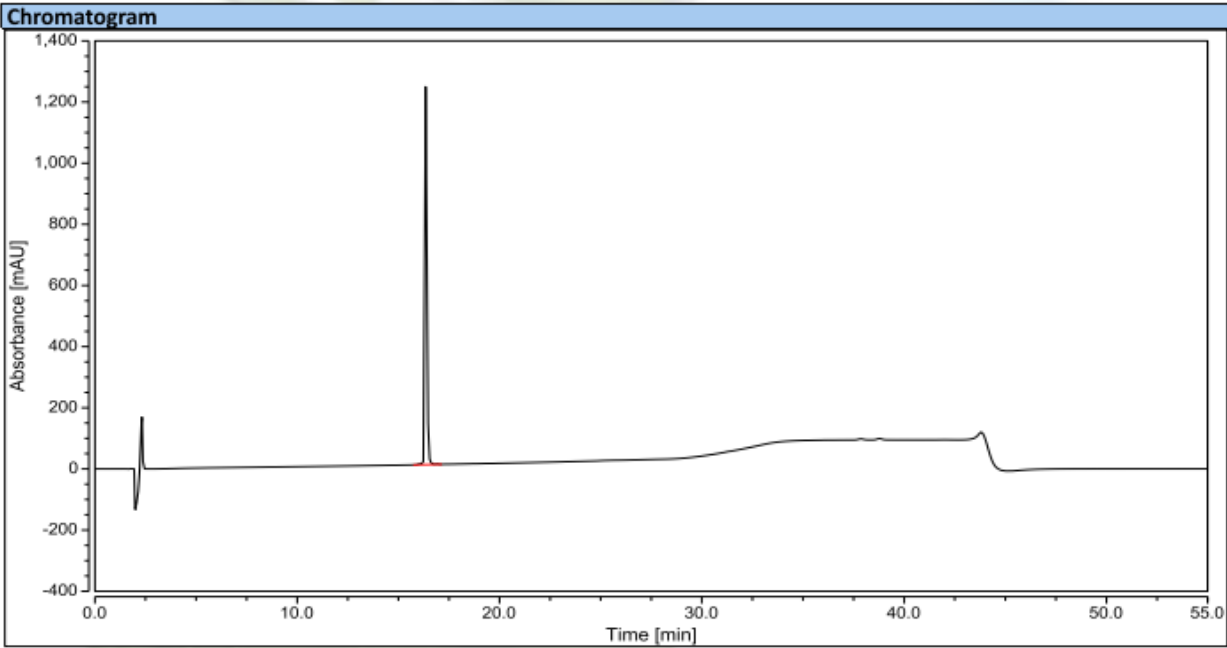
Test Items	Specifications	Results
Appearance	White to off-white lyophilized powder	White to off-white lyophilized powder (Conforms)
Molecular Weight (MS)	4731.34 $\pm$ 1.0 Da	4732.20 Da
Purity by HPLC	>98%	99.4%
Retention Time (HPLC)	$\pm$ 0.2min of Standard	Conforms
Assay	80.0%~ 120.0%	116.1%
Solubility	16 mg/1ml H ₂ O	Clearly soluble
Sodium ion	$\leq$ 3.0%	1.4%
TFA Content	$\leq$ 0.500%	Conforms
DCM Content	$\leq$ 0.060%	0.018%
DMF Content	$\leq$ 0.088%	0.011%
Total Aerobic Count	$\leq$ 100CFU/g	Conforms
Yeast & Molds Count	$\leq$ 100CFU/g	Conforms
Endotoxins	$\leq$ 0.5EU/mg	Conforms

Storage Conditions: -20°C.

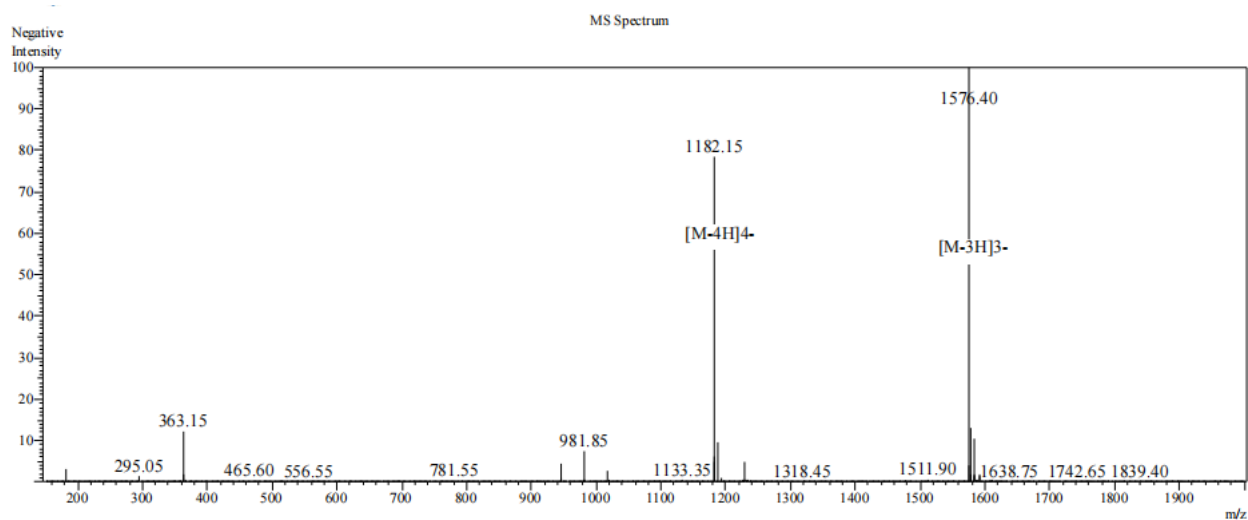
Date of Mfg: 06 Feb 2026

Lot. No	VI9920251106-16
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	Thermo Scientific Acclaim TM 300 C18 (4.6*150mm*3um)
Dissolution method	100%H ₂ O
Acquisition Time	2026/2/10 13:02
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	



Integration Results						
No.	RetentionTime min	Area mAU*min	Height mAU	Relative Area %	Rel.Height %	Amount n.a.
1	16.088	0.3350	2.515	0.23	0.20	n.a.
2	16.161	0.3300	3.577	0.22	0.29	n.a.
3	16.348	146.2869	1236.058	99.39	99.36	n.a.
4	16.913	0.2360	1.862	0.16	0.15	n.a.
Total:				100.000	100.000	



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Theoretical	4731.34
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Observed	4732.20
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