

CERTIFICATE OF ANALYSIS

Product Information

Product Name:	Retatrutide
Lot No.:	RET-209876
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	4731.00 Da
Purity by HPLC	>98%	99.7%
Retention Time (HPLC)	±0.2min of Standard	Conforms
Assay	80.0%~ 120.0%	94.2%
Solubility	10mg/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 2025

Date of Exp: 17 Feb 2027

Report Date: 21 Feb 2025

Quality Control: Caroline

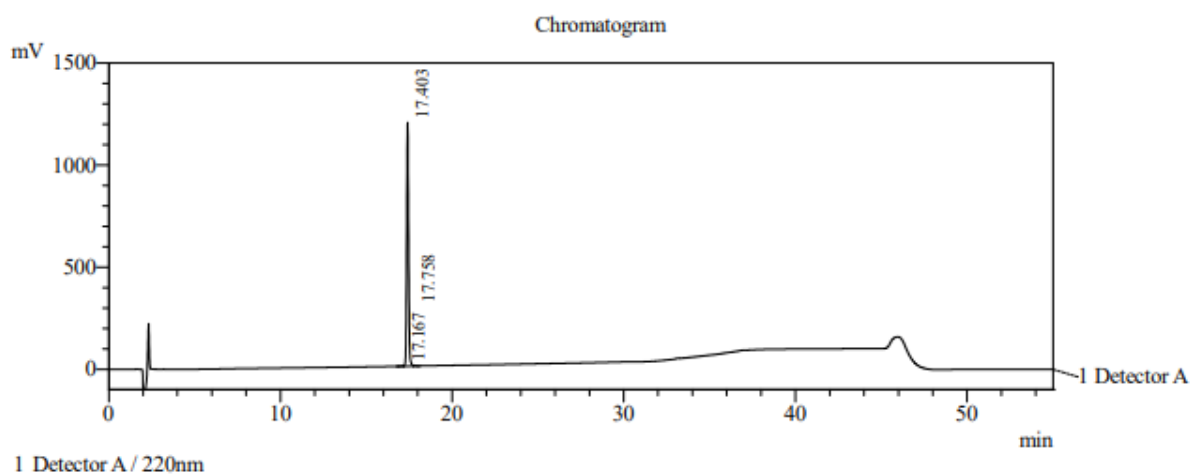
Quality Assurance: Peter

Caroline
Peter

Sample Information

Lot. No	RET-209876
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	2025/2/20 16:30:38
Inj. Volume	12ul

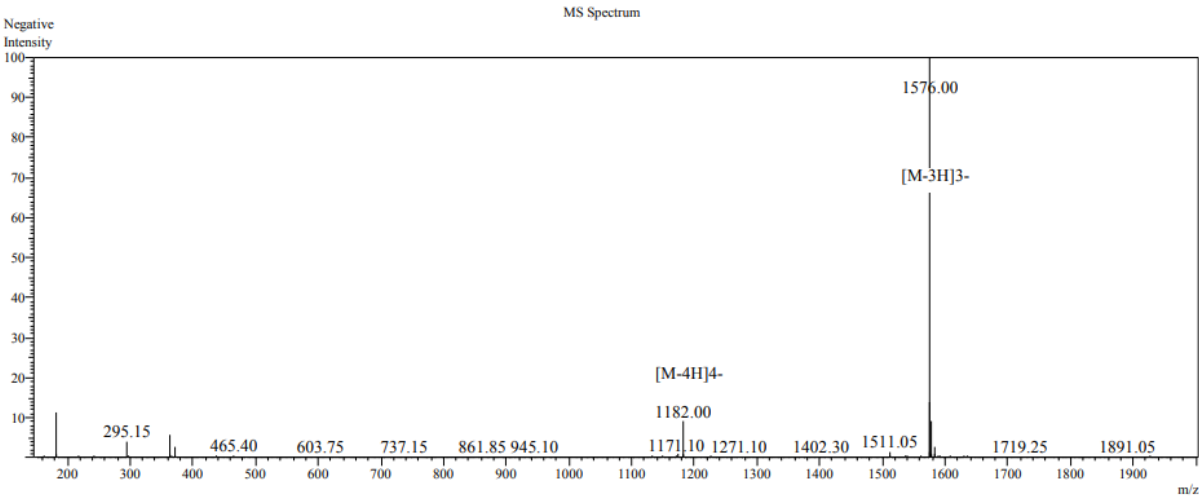
Time	Module	Action	Value
0.01	Pumps	B.Conc	35
25.00	Pumps	B.Conc	65
30.00	Pumps	B.Conc	90
40.00	Pumps	B.Conc	90
41.00	Pumps	B.Conc	35
55.00	Controller	Stop	



PeakTable

Detector A 220nm

Peak#	Ret. Time	Area	Height	Area %
1	17.167	18137	2583	0.200
2	17.403	9017255	1193730	99.658
3	17.758	12840	2085	0.142
Total		9048232	1198398	100.000



Sample Information		Interface	:ESI	Prerod Bias	:+4.5kv
Dissolution method	:3%NH3.H2O+25%ACN+72%H2O	Nebulizing Gas Flow	:1.50L/min	Detector	:-0.2kv
Date Acquired	: 2025/02/20 10:40:09	CDL Temp	:250C	T.Flow	:0.2ml/min
Injection Volume	: 3ul	CDL Volt	:0v	B.conc	:30%H2O/70%MeOH
		Block Temp	:200		

Lot No.	RET-209876
Theoretical	4731.34
Observed	4731.00