Certificate of Analysis

Product Name : Retatrutide

Storage Temperature : Freezer -20°C

Amino acid sequence: Tyr-Aib-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-αMeL-Leu-Asp-Lys(C20 diacid-γGlu-AEEA)-Ala-Gln-Aib-Ala-Phe-Ile-Glu-Tyr-Leu-Leu-Glu-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH_2

Molecular Formula : $C_{221}H_{342}N_{46}O_{68}$

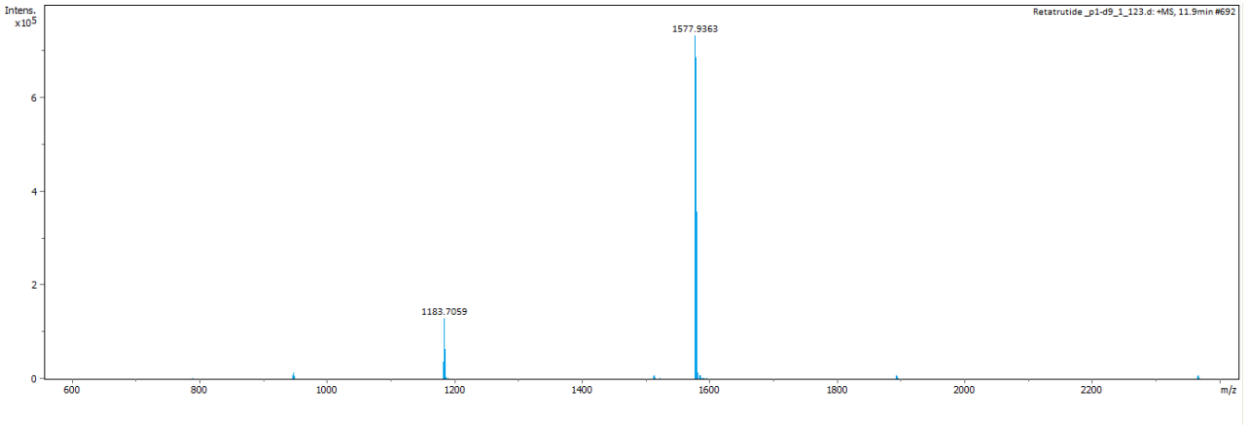
Formula Weight : 4731 g/mol

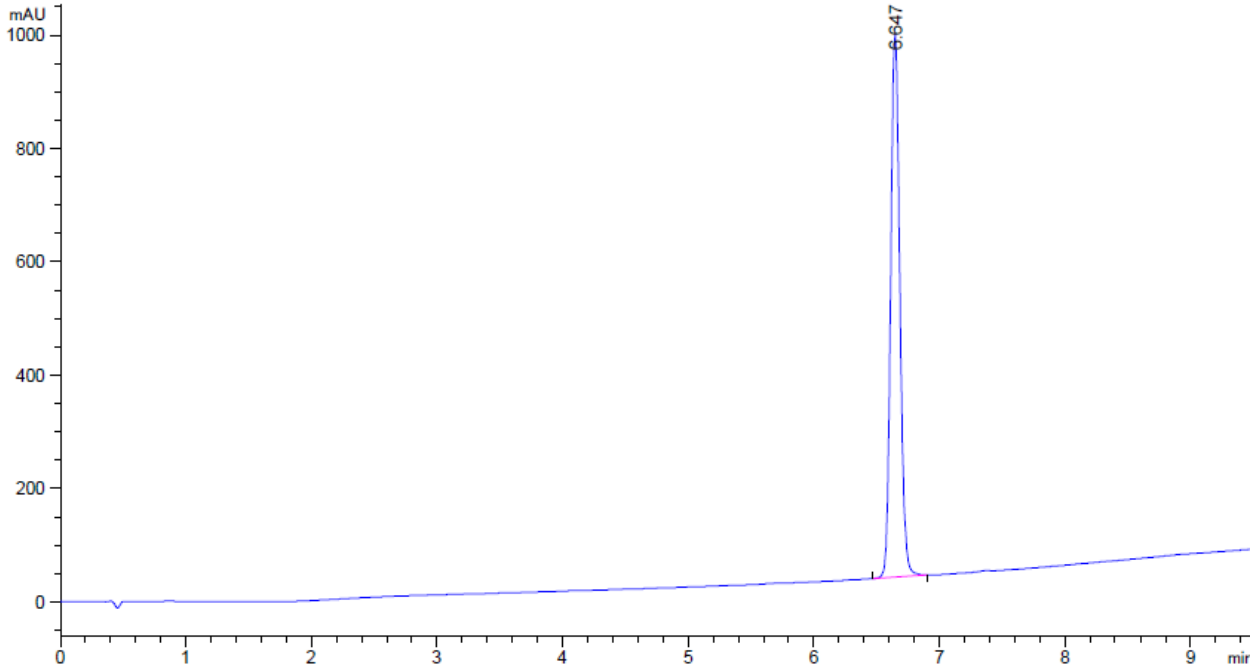
Counter Ion: acetate

Quality Release Date : 01 Sept 2026

Test	**Specification**	**Result**
Appearance (Color)	White to Off-White	White
Appearance (Form)	Lypholized Solid	Lypholized Solid
Purity (HPLC)	≥ 95.0 %	99.9%
Identity (ESI-QTOF mass spectrometry)	Confirmed	Confirmed
Water content	≤ 5.0 %	2.1%
Loss of drying	≤ 1.0 %	0.3%
Heavy metals	Pb ≤ 0.5ppm	N.D.
	As ≤ 0.5ppm	N.D.
	Hg ≤ 0.5ppm	N.D.
	Cd ≤ 0.5ppm	N.D.
E. coli	≤ 2 MPN/g	N.D.
Salmonella	N.D.	N.D.

ESI-QTOF mass spectrometry analysis




mAU
1000
800
600
400
200
0
6.647
0
1
2
3
4
5
6
7
8
9
mir