

Certificate of Analysis (COA)

Product Name: Retatrutide

Lot No.: 3132027

Sequence: His-Ser-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Lys-Tyr-Leu-Asp-Ser-Arg-Arg-Ala-Gln-Asp-Phe-Val-Gln-Trp-Leu-Met-Asn-Thr-Lys-Arg-Asn-Arg-Asn-Asn-Ile-Ala

Modifications: C20 fatty diacid by γ -Glu linker + spacer

Storage Conditions: -20°C

Report Date: 05 May 2026

Test Results

Test Item	Specification	Result
Appearance	White to off-white lyophilized powder	Conforms
Molecular Weight (MS)	4731.3 $\pm$ 1.0 Da	4731.5 Da
Purity (HPLC)	>98%	99.4%
Retention Time (HPLC)	+0.2 min of standard	Conforms
Related Substances (HPLC)	$\leq$ 0.5% each / $\leq$ 1.5% total	0.5%
Solubility	Freely Soluble in Water	Conforms
Acetic Acid Content	$\leq$ 5000 ppm	1180 ppm
TFA Content	$\leq$ 50 ppm	11 ppm
DCM Content	$\leq$ 50 ppm	N.D.
DMF Content	$\leq$ 100 ppm	N.D.
Total Aerobic Count	$\leq$ 100 CFU/g	<10 CFU/g
Yeast & Molds Count	$\leq$ 10 CFU/g	<10 CFU/g
Endotoxins	$\leq$ 0.5 EU/mg	<0.05 EU/mg
E. Coli & Salmonella	Absent	N.D.