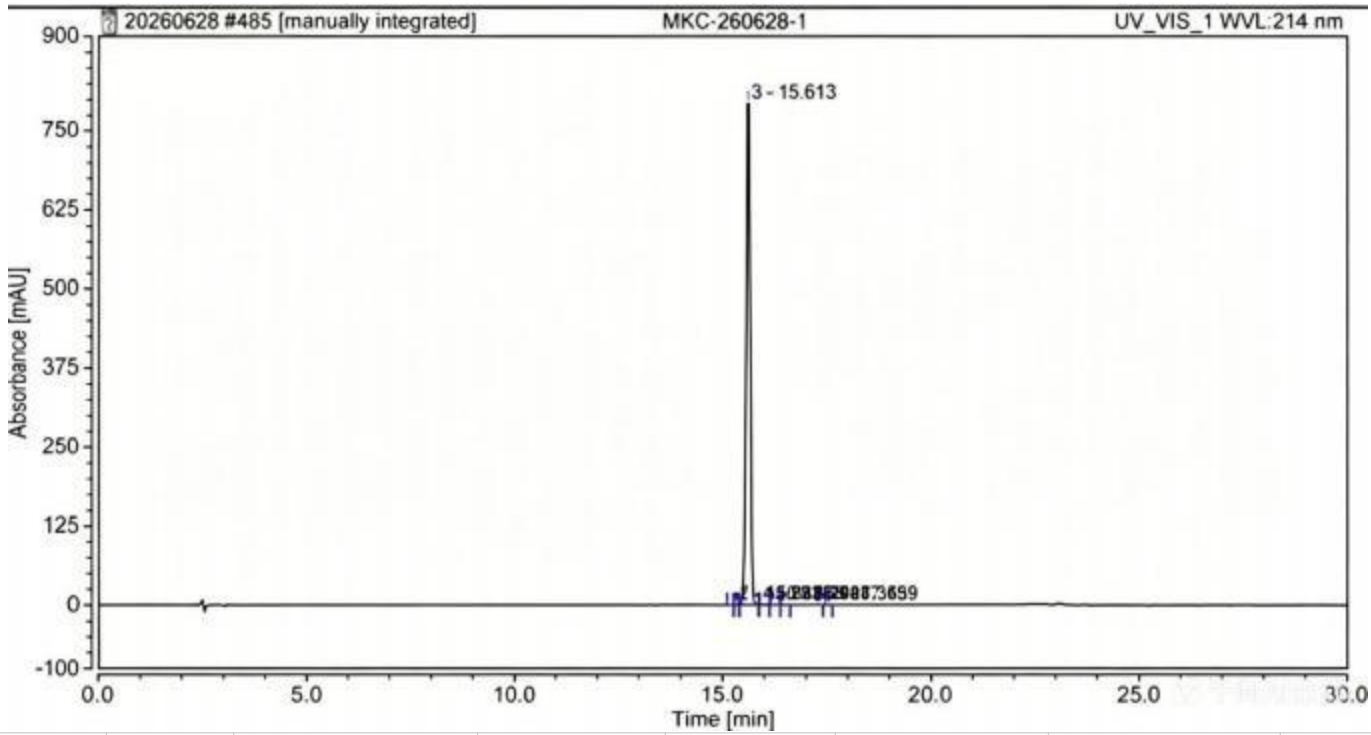
Vendor: OligoPoly Laboratories

Supplier-provided COA | Vendor header updated; original analytical data retained

Product Name	Retatrutide	**CAS No.**	2381089-83-2
Molecular Formula	C221H342N46068	**Molecular Weight**	4731.33
Quantity	101kg	**Manufacturing Date**	2026-06-28
Lot No.	P260628-L013	**Retest Date**	2028-06-27
Sequence	Tyr-Aib-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-Met-Leu-Leu-Asp-Lys(diacet2C20-gamma-AEEA)-Lys-Ala-Gln-Aib-Ala-Phe-Ile-Glu-Tyr-Leu-Leu-Glu-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Ser-NH2		
Store at:	Cool dry place (away from the light)		

Tests	**Specifications**	**Results**
Appearance	White powder	Conforms
Solubility(water)	≥30mg/ml	Conforms
MS (ESI)	4731.33 ± 1.0	4731.18
Purity (HPLC)	≥98.0%	99.30%
Peptide Content	≥85.0%	96.96%
Water Content (Karl Fischer)	≤10.0%	5.36%
pH (5.0mg/mL)	6.0-8.0	7.52
Amino Acid analysis	Asp1.6-2.4 Tyr2.4-3.6 Lys1.6-2.4 Ile1.6-2.4 Leu3.2-4.8 Thr1.6-2.4 Phe1.6-2.4 Ser4.0-6.0 Ala2.4-3.6 Gly3.2-4.8 Glu4.0-6.0 Pro3.2-4.8 AibN/A AEEAN/A	2.01 2.83 2.17 1.88 3.13 2.03 1.96 5.43 3.07 4.13 5.09 4.28 — —
Acetate Content	≤15.0%	N.D
TFA Content	≤0.5%	N.D
Sodium salt	<5.0%	2.18%
Residual solvents	Acetonitrile NMT 410ppm	N.D
	Methanol NMT 3000ppm	N.D
	Methylene chloride NMT 600ppm	N.D
	N,N-Dimethylformamide NMT 880ppm	N.D



No.	Peak Name	Retention Time (min)	Area (mAU*min)	Height (mAU)	Relative Area (%)	Relative Height (%)	Amount
1	—	15.273	0.044	0.515	0.06	0.06	n.a.
2	—	15.333	0.075	0.686	0.09	0.09	n.a.
3	—	15.613	79.518	793.258	99.52	99.61	n.a.
4	—	15.865	0.176	1.173	0.22	0.15	n.a.
5	—	16.208	0.062	0.422	0.08	0.05	n.a.
6	—	16.428	0.015	0.120	0.02	0.02	n.a.
7	—	17.343	0.007	0.118	0.01	0.01	n.a.
8	—	17.559	0.004	0.077	0.01	0.01	n.a.
Total	—	—	79.901	796.370	100.00	100.00	—

QC MANAGER: 王亮亮 INSPECTOR：刘 宏

