Product Name:	Retatrutide	**Batch No.**	U3901-26020701
Molecular Formula	$C_{221}H_{312}N_{46}O_{68}$	**Molecular Weight**	4731.42
Manufacturing Date	January 28, 2026	**Retest Date**	January 27, 2028
Analytical results			
Items	**Specifications**		**Results**
Appearance	White to off-white powder		White powder
Solubility	Can be dissolved to 5mg/ml in pure water		Conforms
Molecular Ion Mass	4731.42±1		Conforms
pH	7.0~9.0 (C=5mg/ml)		7.8
Water Content (K.F)	NMT 8.0%		2.7%
Purity (HPLC)	NLT 98.0%		99.19%
Related substances (HPLC)	The largest individual impurity test NMT 1.0%		0.24%
	The total impurities test NMT 2.0%		0.81%
Residual solvent (GC)	Methylene chloride NMT 600ppm		N.D
	Acetonitrile NMT 410ppm		204ppm
	Methanol NMT 3000ppm		N.D
	NN-Dimethylformamide NMT 880ppm		N.D
	Isopropyl ether NMT 5000ppm		N.D
Acid group ions (IC)	TFA NMT 0.1%		N.D
	PO_4^{3-} NMT 0.1%		N.D
	HAC NMT 0.1%		N.D
Bacterial Endotoxins	NMT 10 EU/mg		Conforms
Microbial Limits	TAMC NMT 1000 cfu/g		Conforms
	TYMC NMT 100 cfu/g		Conforms
	Escherichia Coli presence: Negative		Conforms
	Salmonella: Negative		Conforms
	P.Aeruginosa: Negative		Conforms
	S.Aureus: Negative		Conforms
Sodium ion (HPLC)	NMT 5.0%		1.1%
Peptide Content	NLT 80.0% (Mass Balance)		95.4%
Assay (HPLC)	95.0-105.0% (on anhydrous and salt-free substance basis)		99.40%
Storage Conditions	Keep in tight container, protect from light, store at a temperature of -20±5°C.		
Conclusion	Conformed with the product standards.		