

Certificate Of Analysis

NO:024-R81-TSX

Peptide Name	Retatrutide		
Molecular Formula	C ₂₂₁ H ₃₄₂ N ₄₆ O ₆₈	Manufacturing	2025/03/17
Molecular Weight	4731.33	Report Date	2025/03/23
CAS No.	2381089-83-2	Re-test Date	2027/03/23
Appearance	white powder	Packing size	1Kg/bag
Renference Standard	Renference Ch.p	Storage conditions	-15°C to -25°C
Sequence	Tyr-{Aib}-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-{α-Me-Leu}-Leu-Asp-Lys-{diacid-C20-gamma-Glu-(AEEA)-Lys}-Ala-Gln-{Aib}-Ala-Phe-Ile-Glu-Tyr-Leu-Leu-Glu-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH ₂		

Tests	Specifications	Results
Appearance	White powder	Conforms
Solubility	Soluble in water	Conforms
Purity(HPLC)	≥ 98.0%	99.3%
Water Content (Karl Fischer)	≤ 8.0%	3.5%
Related Substance (ByHPLC)	Total Impurities(%) ≤ 1.5%	0.7%
	Largest Single Impurity (%) ≤ 0.5%	0.2%
Sodium ion	≤ 2%	1.48%
Residual TFA	≤0.5%	N.D.
Residual Acetonitrile	≤410ppm	168ppm
Microbiological Examination	TAMC≤100cfu/g	TAMC≤10cfu/g
	TYMC≤100cfu/g	TYMC≤10cfu/g
Bacterial endotoxin	< 10EU/mg	< 10EU/mg

For Research Use Only. Direct human application is prohibited.

Not For Direct Human Application

Analyst: Warden Zhao

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