

Certificate Of Analysis

NO:TS002-260901 PD-FD-001

Peptide Name	Retatrutide		
Molecular Formula	C ₂₂₁ H ₃₄₂ N ₄₆ O ₆₈	Manufacturing	2026/09/17
Molecular Weight	4731.33	Report Date	2026/09/17
CAS No.	2381089-83-2	Re-test Date	2028/09/16
Appearance	white powder	Packing size	1Kg/bag
Renference Standard	Enterprise Standard	Storage conditions	-15°C to -25°C
Sequence	H-Tyr ¹ -Aib ² -Gln ³ -Gly ⁴ -Thr ⁵ -Phe ⁶ -Thr ⁷ -Ser ⁸ -Asp ⁹ -Tyr ¹⁰ -Ser ¹¹ -Ile ¹² -(α) MeLeu ¹³ -Leu ¹⁴ -Asp ¹⁵ -Lys ¹⁶ -Lys ¹⁷ (Diacid-C20-γ-Glu-AEEA)-Ala ¹⁸ - Gln ¹⁹ -Aib ²⁰ -Ala ²¹ -Phe ²² -Ile ²³ -Glu ²⁴ -Tyr ²⁵ -Leu ²⁶ -Leu ²⁷ -Glu ²⁸ -Gly ²⁹ -Gly ³⁰ - Pro ³¹ -Ser ³² -Ser ³³ -Gly ³⁴ -Ala ³⁵ -Pro ³⁶ -Pro ³⁷ -Pro ³⁸ -Ser ³⁹ -NH ₂		

Tests	Specifications	Results
Appearance	White powder	Conforms
Solubility	Soluble in water	Conforms
Purity(HPLC)	≥ 99.0%	99.01%
Water Content (Karl Fischer)	≤ 5.0%	2.3%
Related Substance (ByHPLC)	Total Impurities(%) ≤ 1.0%	0.99%
	Largest Single Impurity (%) ≤ 0.5%	0.39%
Organic Solvent Residue	Acetonitrile ≤ 0.041 %	< 0.041%
	Dichloromethane ≤ 0.060%	< 0.060%
	N,N-Dimethylformamide ≤ 0.088%	< 0.088%
Peptide content	≥ 80.0%	95.0%

For research use only. Direct human application is prohibited.

Limit To Research And Submission Use
Not For Direct Human Application

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Checker: Bowen Yang