



Certificate of Analysis

Product Name	Retatrutide	CAS No.	2381089-83-2
Molecular Formula	C221H342N46O68	Molecular Weight	4731.33
Batch No.	XR23110301-2	Date of Mfg	Dec 25,2023
Reference Standard	Enterprise Standard	Retest Date	Dec 24,2025
Storage	Place in an airtight container protected from light and keep the temperature between 2°C and 8°C.		
TEST	SPECIFICATION	RESULT	
Appearance	White or almost white fluffy powder	Conform	
Solubility	Soluble in water	Conform	
Water Content (Karl Fischer)	< 8.0%	2.00%	
Sodium ion	< 5.0%	1.47%	
Trifluoroacetic Acid	< 0.5%	Not Detected	
Acetic Acid	< 0.5%	0.19%	
Peptide Purity (By HPLC)	> 98.0%	99.26%	
Related Substance (By HPLC)	Total Impurities(%) < 2.0%	0.74%	
	Largest Single Impurity(%) < 1.0%	0.50%	
Bacterial Endotoxins	<10EU/mg	Conform	
Assay	> 90.0%	94.54%	
Conclusion	This batch meets the internal standards of the enterprise and is qualified.		

Note: This product is for research or production use only.