

Certificate of Analysis

Product name: RetatrutideMolecular Formula: C221H342N46O68Batch No.: 20250220Inspection Date: 20250224Expiry Date: 20280219Molecular Weight: 4730.91Batch Quantity: 2000gManufacture Date: 20250220CAS NO.: 2381089-83-2

ITEM	SPECIFICATION	RESULT	Test Method
Appearance	White or almost white powder	Complies	Visual
Solubility	Soluble in water	Complies	Internal method
Water Content	$\leq 8.0\%$	4.6%	Karl Fischer
Related Substance	Total Impurities $\leq 2.0\%$	1.2%	HPLC
	Largest Single Impurity $\leq 1.0\%$	0.6%	HPLC
Organic solvent residue	Acetonitrile $\leq 0.041\%$	Complies	Internal method
	Dichlorom ethane $\leq 0.06\%$	Complies	Internal method
	N, N-Dimethylformamide $\leq 0.088\%$	Complies	Internal method
Sodium salt	$< 5.0\%$	2.9%	Internal method
Peptide Content	$\geq 90.0\%$	94.2%	Internal method
Total plate count	$\leq 1000\text{CFU/g}$	Complies	CP2015
Yeast and mold	$\leq 100\text{CFU/g}$	Complies	CP2015
E. coli	Negative	Negative	CP2015
P. aeruginosa	Negative	Negative	CP2015
Salmonella and S. aureus	Negative	Negative	CP2015
Assay	$\geq 98.0\%$	99.61%	HPLC
Conclusion	This product complies with enterprise standard		

Storage: Store at 2-8°C temperature and away from light.