
Certificate of Analysis

Product Name: Retatrutide	
CAS No. : 2381089-83-2	Batch No.: 20260430
MFG.Date: 2026-04-30	EXP. Date: 2028-04-29

Results of Inspection:

Item	Specification	Results
Appearance	White or off-white loose powder	White powder
Solubility	Soluble in water,insoluble in acetonitrile	Complies
Molecular Weight	The monoisotopic mass should be 4728.47 ± 0.5 Da	4728.47 Da
Moisture	$\leq 8.0\%$	5.0%
pH	5.5-8.0	6.5
Acetic Acid	$\leq 0.5\%$	Not detected
Trifluoroacetic Acid	$\leq 0.5\%$	Not detected
Related Substances	MP064 $\leq 0.5\%$	0.18%
	Impurity(RRT=1.02) $\leq 0.5\%$	0.26%
	Other individual impurity $\leq 0.2\%$	0.13%
	Total impurities $\leq 2.0\%$	0.87%

Positive Ion	Sodium ion $\leq 5.0\%$	1.1%
	Ammonium ion $\leq 0.5\%$	Not detected
Negative Ion	Chloride ion $\leq 0.1\%$	Not detected
	Phosphate ion $\leq 0.5\%$	Not detected
Residual Solvents	Acetonitrile $\leq 410\text{ppm}$	28ppm
	methyl tert-butyl ether $\leq 5000\text{ppm}$	7ppm
Bacterial Endotoxins	$\leq 10 \text{ EU/mg}$	Complies
Total Aerobic Microbial Count	$\leq 1000\text{cfu/g}$	Complies
Yeasts&Molds	$\leq 100\text{cfu/g}$	Complies
E.Coli	Negative/g	Negative
Peptide Content	$\geq 85.0\%$	93.6%
Purity	$\geq 98.0\%$	99.1%
Conclusion	This product complies with the Enterprise standards.	
Storage	Stored under $-20\pm 5^{\circ}\text{C}$ and dry well-closed container. Keep away from direct sunlight.	
Examiner: 李青 Checker: 赵泽涛 Reviewer: 毕连海		