

Certificate of Analysis

瑞他鲁肽检测报告

产品名称/Compound ID	Retatrutide		
中文名/Chinese Name	瑞他鲁肽	批号/Batch No.	R20260521
CAS	2381089-83-2		
分子式/Formula	C ₂₂₁ H ₃₄₂ N ₄₆ O ₆₈	分子量/M.W.	4731
结构/Structure	H-Tyr-Aib-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-Aib-Leu-Asp-Lys-Ile-Ala-Gln-{20diacid-γ-Glu-(Aeea)2-Lys}-Ala-Phe-Val-Gln-Trp-Leu-Ile-Ala-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH ₂		

质量检测/Quality Control Test			
TESTS	SPECIFICATIONS		RESULTS
外观/Appearance	白色粉末/White powder		Conforms
纯度/Area% by HPLC	>98% purity		99.28%
水分/ Water Content	≤ 8.0 %		3.4%
醋酸/Acetic Acid	≤ 0.5 %		0.3%
钠离子/ Sodium Content	≤ 5.0 %		1.6%
含量/Peptide Content	≥85.0 %		95.0%
pH	6.0-9.0		7.3
盐型/Salt Form	钠盐/Sodium salt		
储存/Prolonged Storage	Store at -20 °C for one year		
溶剂残留 Residual Solvent	二氯甲烷/DCM	≤600 ppm	未检出/N.D
	四氢呋喃/ THF	≤720 ppm	未检出/N.D
	N,N-二甲基甲酰胺DMF	≤880 ppm	未检出/N.D
	乙腈/ACN	≤ 410 ppm	40 ppm
微生物限度 Microbial Limits	需氧菌总数(TAMC) ≤100 cfu/g		<1 cfu/g
	霉菌和酵母菌总数(TYMC) ≤100 cfu/g		<1 cfu/g
细菌内毒素 Bacterial Endotoxins	<10 EU/mg		合格/ Conforms
杂质 Impurities	总杂Total impurities	≤ 2.0%	0.72%
	最大单杂Maximum Single impurity	≤ 0.5%	0.24%
结论/Result	本品质量检测符合标准规定, 以上项目均合格 The above items meet the requirements		
制备/Prepared	By Junjie		Date: May 21, 2026
批准/Approved	By Jianchao Xu		Date: May 21, 2026