



Certificate of Analysis

Product Name	TB 500 TY-A-11010	CAS No.	77591-33-4
Molecular Formula	C212H350N56O78S	Molecular Weight	4963.51
Batch No.	P2025102211010	Quantity	832.11g
Mfgr. Date	2025-10-22	Retest Date	2027-10-22
Tests	Specification		Results
Appearance	A white or off-white powder		White powder
Solubility	Soluble in water(100mg/ml)		Conforms
Monoisotopic Mass	4960.49 ± 1.0Da		Conforms
Water Content	≤ 5.0%		2.0%
Purity (HPLC)	≥ 98.0%		99.08%
Related substances (HPLC)	The largest individual impurity test ≤ 1.0%		0.39%
	The total impurities test ≤ 2.0%		0.92%
Residual solvent(GC)	DCM	≤ 600ppm	N.D
	ACN	≤ 410ppm	39ppm
	MetOH	≤ 000ppm	N.D
	DMF	≤ 880ppm	N.D
Acid group ions	TFA	≤ 0.1%	N.D
	HAC	≤ 15.0%	10.7%
Microbiological tests	Acrobic Bacterial count	≤ 100cfu/g	Conforms
	Yeast and Mould	≤ 10cfu/g	Conforms
Bacterial Endotoxins	≤ 5EU/mg		Conform
Peptide Content	≥ 80.0%		86.5%
Conclusion: Complies with the manufacturer's standard.			

Quality Control by :	2025-10-22
Quality Assured by:	2025-10-22
<p>It is not derived from human, animal or plant.</p> <p>The above material is to be used exclusively for in vitro laboratory research purposes only. It has no commercial resale value. It is NOT for Human or Animal Consumption.</p> <p>The material is NOT hazardous, nor infectious. The material is NOT an immunogen. It is NOT a drug or a controlled substance.</p> <p>It does NOT contain any animal or cell culture derived products or additives such as Albumin or Serum. The Material is NON-HAZARDOUS</p> <p>For Laboratory Research Use Only</p>	

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