



## Certificate of Analysis

Product Name	PT-141 Acetate TY-A-11005	CAS No.	1607799-13-2 (Acetate)
Molecular Formula	C50H68N14O10	Molecular Weight	1025.16
Batch No.	P2025050611005	Quantity	867g
Mfgr. Date	2025-05-06	Retest Date	2027-05-06
<b>Tests</b>	<b>Specification</b>	<b>Results</b>	
Appearance	White powder	Conforms	
Solubility(water)	≥5mg/ml	Conforms	
MS (ESI)	1025.16±1.0	1025.42	
Purity (HPLC)	≥98.0%	99.70%	
Related Substance (HPLC)	Any individual impurity ≤1.0%	0.09%	
Peptide Content (N%)	≥80.0%	89.44%	
Water Content (K.F.)	≤10.0%	3.66%	
Amino Acid analysis	His 0.8~1.2	1.09	
	Asp 0.8~1.2	0.83	
	Arg 0.8~1.2	1.02	
	Lys 0.8~1.2	1.05	
	Phe 0.8~1.2	1.01	
	Trp 0.8~1.2	1.05	
Acetate Content(HPLC)	<12.0%	6.05%	
TFA Content	≤0.5%	N.D	
Solvent residue(GC)	Acetonitrile NMT 410ppm	N.D	
	Methanol NMT 3000ppm	N.D	
	Ether NMT 5000ppm	N.D	
	Methylene chloride NMT 600ppm	N.D	
	N,N-Dimethylformamide NMT 880ppm	N.D	
	Triisopropylsilane NMT 1000ppm	N.D	
Bacterial endotoxins	<10EU/mg	Conforms	
Microbial Limits	Total aerobic microbial count ≤200cfu/g	N.D	
	Total yeast and mold count ≤200cfu/g	N.D	
Assay(HPLC)	95.0~105.0% ( on the anhydrous, acetic acid-free basis )	100.78%	
Conclusion: Complies with the manufacturer's standard.			

Quality Control by :	2025-05-06
Quality Assured by:	2025-05-06