

Certificate of Analysis

Product Name	Tir [REDACTED]		
Molecular Formula	C ₂₂₅ H ₃₄₈ N ₄₈ O ₆₈	Batch No.	2025031503
Molecular Weight	4813.45	Date of Producing	2025/03/19
Date of Survey	2025/03/20	Expire Date	2027/03/18
Reference Standard	Enterprise Standard	Specification	10mg/vial

TEST	SPECIFICATION	RESULT
Appearance	White to off white powder or loose lump	Conform
Solubility	Soluble in 50% aqueous acetonitrile	Conform
Identity By MS	4813.45±2.0	4812.2
Water Content(Karl Fischer)	≤ 10.0%	2.9%
Sodium ion	≤ 3.0%	1.7%
Peptide Purity(By HPLC)	≥ 98.0%	99.4%
Related Substance(By HPLC)	Total Impurities(%) ≤ 2.0%	0.6%
	Largest Single Impurity(%) ≤ 1.0%	0.2%
Assay	95%-105%	100.2%
Organic solvent residue	Acetonitrile≤0.041%	< 0.041%
	Dichloromethane≤0.06%	< 0.06%
	N,N-Dimethylformamide≤0.088%	< 0.088%
Conclusion: the product conforms with enterprise standard and qualified		

The product is for compliant use only.

Analyst: Yang Yan

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Checker: Shi Ru

