

Certificate of Analysis

Product Name	Tir 		
Molecular Formula	C ₂₂₅ H ₃₄₈ N ₄₈ O ₆₈	Batch No.	2025070601
Molecular Weight	4813.45	Date of Producing	2025/07/23
Date of Survey	2025/08/06	Retest Date	2027/07/22
Reference Standard	Enterprise Standard	Specification	60mg

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±2.0Da	4812.6Da
Water Content(Karl Fischer)	≤ 10.0%	3.3%
Sodium ion	≤ 3.0%	0.9%
Assay	95%-105%	100.02%
Peptide Purity(By HPLC)	≥ 98.0%	99.5%
Related Substance(By HPLC)	Total Impurities ≤ 2.0%	0.5%
	Largest Single Impurity ≤ 1.0%	0.2%
Peptide Content	≥85.0%	95.3%
Organic solvent residue	Acetonitrile ≤0.041%	< 0.041%
	Dichloromethane ≤0.060%	< 0.060%
	N,N-Dimethylformamide ≤0.088%	< 0.088%
Conclusion: the product conforms with enterprise standard and qualified		

The product is for compliant use only.

Analyst:Zhao Xinyu

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Checker:Shi Ru