

Certificate Of Analysis

NO:024-F83-TSX

Peptide Name	Frag 17-23		
Molecular Formula	C ₃₈ H ₆₈ O ₁₄ N ₁₀	Manufacturing	2025/01/09
Molecular Weight	889.01	Report Date	2025/01/12
CAS No.		Re-test Date	2027/01/12
Appearance	white powder	Packing size	1Kg/bag
Renference Standard	Enterprise Standard	Storage conditions	Cool dry place
Sequence	Ac-Leu-Lys-Lys-Thr-Glu-Thr-Gln-OH		

Tests	Specifications	Results
Appearance	White powder	Conforms
MS (ESI)	Conforms	Conforms
Solubility	Soluble in water	Conforms
Purity(HPLC)	≥98.0%	99.36%
Acetate Content(HPLC)	<12.0%	4.89%
Water Content (Karl Fischer)	≤10.0%	1.98%
Peptide Content (N%)	≥80.0%	88.39%
Amino Acid analysis	Thr 1.6~2.4	1.94
	Glu 1.6~2.4	2.00
	Leu 0.8-1.2	1.03
	Lys 1.6~2.4	2.03
TFA Content	≤0.5%	N.D
Residual solvents	Acetonitrile NMT 410ppm	N.D
	Ethyl ether NMT 5000ppm	N.D
	Dichloromethane NMT 600ppm	N.D
	Pyridine NMT 200ppm	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 ≤1000cfu/g	N.D
	Total yeast and mold count ≤200cfu/g	N.D
Assay(HPLC)	95.0~105.0%(on anhydrous and salt-free substance basis)	103.10%

For research use only. Direct human application is prohibited.

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Checker: Bowen Yang

Limit To Research And Submission Use
Not For Direct Human Application