

CERTIFICATE OF ANALYSIS

Product Name	MOTS-c		
Sequence	Met-Arg-Trp-Gln-Glu-Met-Gly-Ty-1le-Phe-Tyr-Pro-Arg-Lys-Leu-Arg		
CAS No.	1627580-64-6	Batch No.	TK230516
Molecular Formula	C ₁₀₁ H ₁₅₂ N ₂₈ O ₂₂ S ₂	Mfg Date	May 17, 2023
CAS No.	1627580-64-6	Retest Date	May 16, 2025
Storage	Keep in dark and cool dry place ,2 to 8°C		
Analytical results			
Items	Standards		Results
Appearance	White or almost white fluffy powder		Conform
Mass Spectrum	2174.62±1		Conform
Solubility	Soluble in water and acetic acid		Conform
Purity(HPLC)	≥98.0%		99.80%
Related Substance	Total Impurities ≤2.0% Largest Single Impurity ≤1.0%		0.2% 0.1%
Acetic Acid	≤15.0%		8.30%
Water	≤8.0%		4.20%
Residual Solvent	Acetonitrile ≤410ppm Dichloromethane ≤600ppm N,N-Dimethylformamide ≤880ppm		Conform Conform Conform
Conclusion:	This batch complies with enterprise standard.		

Inspector: Carlifor Wu

Verifier: Jack He

