

Certificate of Analysis

Product	MOTS-c	CAS No.:	1627580-64-6
Product No.:	800102	Molecular Formula	C ₁₀₁ H ₁₅₂ N ₂₈ O ₂₂ S ₂
Sequence	Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Phe-Tyr-Pro-Arg-Lys-Leu-Arg		
Batch No.	26030503-04	Quantity	675.3g
Mfgr. Date	Mar.06 th , 2026	Retest Date	Mar.05 th , 2028



【 ITEMS 】	【 SPECIFICATIONS 】	【 RESULTS 】
Appearance	White or off-white powder	White powder
Solubility	Soluble in water (No less than 10mg/ml)	Conforms
HPLC	The principal peak in the chromatogram obtained with the test solution is similar in retention time to principal peak in the chromatogram obtained with the reference solution.	Conforms
Amino acid content	Tyr 1.8-2.2	2.0
	Gly 0.9-1.1	1.0
	Ile 0.9-1.1	1.0
	Met 1.8-2.2	2.0
	Lys 0.9-1.1	1.0
	Phe 0.9-1.1	1.0
	Arg 2.7-3.3	3.1
	Pro 0.9-1.1	1.0
	Leu 0.9-1.1	1.0
	Glx 1.8-2.2	1.9
Mass spectrum	2174.6±1.0	2174.0
Related Substances(HPLC)	Any individual impurity≤1.0%	0.32%
	Total impurities≤2.0%	0.84%
Purity (%) (HPLC)	≥98.0%	99.4%
pH	4.0~6.0	5.3

Acetic acid	7.6%~12.1%	7.8%
Trifluoroacetate	≤0.5%	N.D
Water content(KF)	≤8.0%	3.3%
Peptide Content	≥80.0%	88.2%
Residual solvent (GC)	Methanol NMT 3000ppm	N.D
	Methylene chloride NMT 600ppm	N.D
	Acetonitrile NMT 410ppm	N.D
	Methyl tert-butyl ether NMT 5000 ppm	N.D
	DMF NMT 880ppm	N.D
Bacterial endotoxins	Less than 10EU/mg	<3EU/mg
Microbial limits	TAMC NMT 100cfu/g TYMC NMT 100cfu/g	Conforms
Storage	In an air tight container, protected from light; Short Term:2-8°C ; Long Term:below-10°C	
Report	<i>Jie Peng</i>	Date 2026.3.6
Reviewer	<i>Fang Min</i>	Date 2026.3.6
Conclusion: This batch of product complies with Enterprise Standard.		



It is only supplied as chemical product.

It is only for R&D use.