

CERTIFICATE OF ANALYSIS

Product Name:	MOTS-c	CAS Number:	1627580-64-6
Molecular Formula:	C ₁₀₁ H ₁₅₂ N ₂₈ O ₂₂ S ₂	Molecular Weight:	2174.59
Quantity:	44.38g	Date of Analysis:	2024-04-02
Storage:	Cool dry place (away from light)	Retest Date:	2026-04-01

Sequence:	Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Phe-Tyr-Pro-Arg-Lys-Leu-Arg
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Tests	Specifications	Results
Appearance	White powder	Conforms
Purity (HPLC)	≥98.0%	98.82%
Acetate Content (HPLC)	<12.0%	10.83%
Peptide Content (N%)	≥80.0%	84.7%
Water Content (Karl Fischer)	≤10.0%	2.27%
MS (ESI)	Conforms	Conforms
Mass Balance	95.0~105.0%	Conforms

Conclusion:	Complies with the manufacturer's standard.
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DISCLAIMER:

- 1) The shipment contains Chemically Synthesized Peptide. (Synthetic Protein). It is not derived from human, animal or plant material.
- 2) The above material is to be used exclusively for in vitro laboratory research purposes only. It has no commercial resale value. It is NOT for Human or Animal Consumption.
- 3) The material is NOT hazardous, nor infectious. The material is NOT an immunogen.
- 4) It is NOT a drug or a controlled substance.
- 5) It does NOT contain any animal or cell culture derived products or additives such as Albumin or Serum.
- 6) The material is NON-HAZARDOUS.