



AMINO PEPTIDES

PRODUCT SPECIFICATION SHEET

Note: This document details the theoretical chemical properties and target specifications of this research compound. For batch-specific, independent laboratory test results, please refer to the independent Certificate of Analysis (C.O.A.) provided on our product page.

1. Product Identification

Product Name: MOTS-c

Synonyms: Mitochondrial ORF of the 12S ribosomal RNA type-c

CAS Number: 1627580-64-6

PubChem CID: 146675088

2. Chemical Properties

Amino Acid Sequence: H-Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Phe-Tyr-Pro-Arg-Lys-Leu-Arg-OH

Molecular Formula: C₁₀₁H₁₅₂N₂₈O₂₂S₂

Theoretical Molecular Weight: 2174.62 Da

Form: Lyophilised powder

Appearance: Solid, White

3. Target Specifications

Target Purity (HPLC): >= 98.0%

Target Identity (MS): Expected MW 2174.62 Da (± standard analytical tolerance)

Expected Peptide Content: >= 80.0%

4. Storage and Handling Guidelines

Storage (Lyophilised): Store at -20°C or below. Protected from light and moisture.

Storage (Reconstituted): Store at 2°C to 8°C for up to 20 days. Do not freeze once reconstituted.

Usage: For laboratory research and in-vitro use only. Not for human or veterinary use.