

MOTS-c Specification Sheet

This specification sheet provides product identity, standard quality specifications, physical form, packaging information, and storage guidance for Sunone MOTS-c research peptide, Catalog No. SUN-P016.

Batch-specific analytical results, including final identity and purity, should always be verified against the applicable Certificate of Analysis (COA). Safety and handling requirements should be confirmed using the corresponding Safety Data Sheet (SDS).

Product Identification

Specification	Details
Product Name	MOTS-c
Catalog Number	SUN-P016
CAS Number	1627580-64-6
PubChem CID	155885767
Molecular Formula	C101H152N28O22S2
Molecular Weight	2174.6 g/mol
Peptide Sequence	H-Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Phe-Tyr-Pro-Arg-Lys-Leu-Arg-OH
Synonyms	MOTS-c; MOTS-c (Human); Mitochondrial Open Reading Frame of the 12S rRNA-c
Product Category	Metabolic Peptides
Grade	Research Grade
Physical Form	Lyophilized Powder
Purity	≥99.4%
EC / EINECS Not applicable / Not assigned	

Quality Specifications

Test / Attribute	Specification
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Test / Attribute	Specification
Identity	Conforms to product identity; verify batch-specific results in COA
Purity	≥99.4%
Physical Form	Lyophilized powder
Molecular Weight	2174.6 g/mol
Molecular Formula	C101H152N28O22S2
Packaging	Sealed research peptide vials
Storage	Store at 2 – 8° C and protect from light; follow batch-specific COA/SDS where applicable
Documentation	Batch-specific COA and SDS available

Available Packaging

SKU	Pack Size	Per Box	Availability
MS10	10 mg × 10 vials	10 vials	Made to order / On request
MS20	20 mg × 10 vials	10 vials	Made to order / On request
MS40	40 mg × 10 vials	10 vials	Made to order / On request

Product Description

MOTS-c is a mitochondrial-derived peptide encoded within the mitochondrial 12S rRNA region. It is investigated in controlled laboratory research involving mitochondrial signaling, cellular energy metabolism, glucose utilization, metabolic adaptation, energy homeostasis, cellular stress-response pathways, and mitochondrial biology.

The product is supplied as a research-grade lyophilized peptide. Exact batch-specific analytical characteristics should be confirmed using the Certificate of Analysis supplied with the applicable production batch.

Documentation

For complete product documentation, refer to the applicable:

Certificate of Analysis (COA)

Safety Data Sheet (SDS)

MOTS-c Product Page

Research Use Only

For laboratory research and manufacturing use only.

Not for human or veterinary use, human consumption, diagnostic use, clinical use, or therapeutic applications. Products are supplied to qualified businesses in accordance with applicable laws and regulations.

Related Product Information

For packaging options, availability, quotation requests, and additional product information, visit the **MOTS-c Research Peptide product page**