

MOTS-c

Peptides & Peptide Materials · Issued 2026-10-10

1. IDENTIFICATION

Product name	MOTS-c
CAS number	1627580-64-6
Molecular formula	C101H152N28O22S2
Molecular weight	2174.6
Product type	Peptide (mitochondrial-derived)
Catalog code	RCB-0049

2. DESCRIPTION

16-residue peptide encoded in the mitochondrial 12S rRNA gene.

3. TYPICAL PROPERTIES

Appearance	Stated on the Certificate of Analysis.
Purity (stated minimum)	>=99.0% (HPLC)

4. TEST METHODS

Appearance (Visual)	Conforms
Solubility (Visual (stated solvent and concentration))	Conforms
Identity (molecular mass) (ESI-MS)	Conforms
Purity (RP-HPLC (area %))	>= 99.0 %
Largest single impurity (RP-HPLC (area %))	Per specification
Peptide content (Nitrogen analysis or amino acid analysis)	Per specification
Water content (Karl Fischer)	Per specification
Counter-ion (acetate / TFA) (Ion chromatography or HPLC)	Per specification
Residual solvents (GC headspace (ICH Q3C))	Conforms: Meets ICH Q3C limits
Bacterial endotoxins (LAL (Ph. Eur. 2.6.14 / USP <85>))	Per specification
Amino acid analysis (AAA after hydrolysis)	Report result

5. STORAGE, PACKAGING AND PRICE

Price	Quoted on request — from 1 kg; volume pricing on your quotation
Storage	Stated on the Safety Data Sheet and Certificate of Analysis supplied with each batch.
Packaging	Sealed, labelled containers suited to the order quantity; confirmed on your quotation.

6. REGULATORY INFORMATION

Classification	Supplied with buyer declaration
Status	Regulatory status for your destination is confirmed during compliance review.

7. DOCUMENTATION

Released with your enquiry	Product specification, Certificate of Analysis (COA), Safety Data Sheet (SDS), Analytical data (chromatograms / spectra), Method of analysis (MOA), Residual solvents statement (ICH Q3C), TSE/BSE statement, Stability and storage statement, End-use / end-user declaration, GMP certificate / manufacturing licence — request them online
Shipped with each order	Batch Certificate of Analysis, packing list, commercial invoice