

RESEARCH GUIDE

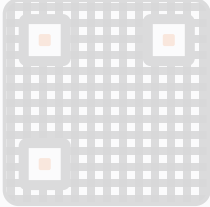
MOTS-C

Mitochondrial-derived peptide (16 amino acids)

OVERVIEW

MOTS-C is a mitochondrial-derived peptide of 16 amino acids encoded within the mitochondrial genome. It is supplied as a lyophilised peptide reference material for laboratory research into cellular metabolism.

BATCH VERIFICATION



HW20260315-1
<https://mypepbiotech.co.uk/quality-assurance/?batch=HW20260315-1>

CHEMICAL INFORMATION

Product name	MOTS-C
Classification	Synthetic peptide
CAS number	1627580-64-6
Molecular formula	C101H152N28O22S2
Molecular weight	2174.59
Appearance	White powder
Solubility	Freely soluble in water

LABORATORY RESEARCH CONTEXT

This material is supplied strictly as a reference compound for laboratory research. It is intended for use by qualified personnel in an appropriately equipped research environment for in vitro and other non-clinical investigations. Nothing in this guide describes or implies any medical, therapeutic, diagnostic or performance use, and no such use is intended or supported.

RECONSTITUTION (LABORATORY USE)

For laboratory use the lyophilised peptide is commonly reconstituted with sterile or bacteriostatic water. Add the solvent slowly down the vial wall, allow the peptide to dissolve without agitation, and swirl gently rather than shaking.

STORAGE GUIDANCE

Store the sealed vial in a cool, dry place away from strong light and heat. For long-term storage, -20°C is recommended. Once reconstituted, keep solutions refrigerated (2–8°C) and use within your laboratory's validated timeframe.

HANDLING GUIDANCE

Wear appropriate personal protective equipment (gloves, laboratory coat, eye protection). Avoid inhalation, ingestion and contact with skin and eyes. Handle in a clean, well-ventilated laboratory area, keep away from food and drink, and wash hands thoroughly after handling.

Batch traceability. Every vial is supplied with a unique batch number. Retain your batch number and confirm the matching branded Certificate of Analysis at

Research Use Only. This product is intended solely for laboratory research purposes. It is not a medicine or supplement and is not intended for diagnostic, therapeutic, or any human or veterinary use.