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DATASHEET

MOTS-c (human)

Product overview

Name	MOTS-c (human)
Cat No	HB4632
Purity	>95%
Description	Promotes AICAR and downstream (AMPK) biosynthesis

Biological Data

Biological description	Mitochondria-derived peptide (MDP). Promotes biosynthesis of the endogenous AMP analog AICAR and consequently AMP-activated protein kinase (AMPK). Induces cellular and systemic glucose uptake and improves insulin sensitivity. Shown to prevent diet-induced obesity (DIO) in mice. Potential anti-obesity and anti-aging compound.
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Solubility & Handling

Storage instructions	+4 °C
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Molecular Weight	2288.6
Chemical structure	A detailed ball-and-stick model of the MOTS-c (human) peptide structure, showing a long chain of amino acids with various side chains.
CAS Number	1627580-64-6
InChiKey	JLKDYZLVBBDJTO-DNWXONKHSA-N
Appearance	Solid lyophilized powder
