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## DATASHEET

MOTS-c (human)

### Product overview

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

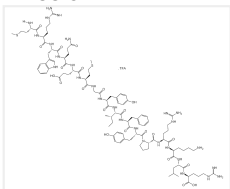
### Biological Data

<b>Biological description</b>	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

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

### Chemical Data

<b>Molecular Weight</b>	2288.6
<b>Chemical structure</b>	
<b>CAS Number</b>	1627580-64-6
<b>InChiKey</b>	JLKDYZLVBJDJTO-DNWXONKHS-A-N
<b>Appearance</b>	Solid lyophilized powder