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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.

Solubility & Handling

Storage instructions Storage of solutions

+4°C

Prepare and use solutions on the same day if possible. Store solutions at -20°C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

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 Chemical structure 2288.6

1627580-64-6

CAS Number InChiKey

JLKDYZLVBJDJTO-DNWXONKHSA-N

Appearance Solid lyophilized powder