



99% Intermediate Peptide Mots-C (human) Powder CAS 1627580-64-6

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Hongbaiyi
- Certification: COA, HPLC MR
- Model Number: HBY- Mots-C
- Minimum Order Quantity: 1KG
- Price: Negotiable
- Packaging Details: 10mg/vial, 10vials/box
- Delivery Time: 3-5 work days after your payment
- Payment Terms: Western Union, T/T, , Western Union
- Supply Ability: 4000kg/Month



Product Specification

- NAME: 99% Peptide Intermediate Mots-C (human) Powder CAS 1627580-64-6
- APPEARANCE: WHITE, POWDER
- ASSAY: 99%
- CAS: 1627580-64-6
- Molecular Weight: 2174.6
- Molecular Formula: C101H152N28O22S2
- Temperature: 2-8
- SHELF LIFE: 2 YEARS



Product Description

What is 99% Peptide Intermediate Mots-C (human) Powder CAS 1627580-64-6?

MOTS-C is an exercise-induced mitochondrial-encoded regulator of age-dependent physical decline and muscle homeostasis.

Mitochondria are known to be functional organelles, but their role as a signaling unit is increasingly being appreciated. The identification of a short open reading frame (SORF) in the mitochondrial DNA (mtDNA) that encodes a signaling peptide, humanin, suggests the possible existence of additional SORFS in the mtDNA. Here we report a SORF within the mitochondrial 12S rRNA encoding a 16-amino-acid peptide named MOTS-C (mitochondrial open reading frame of the 12S rRNA-C) that regulates insulin sensitivity and metabolic homeostasis. Its primary target organ appears to be the skeletal muscle, and its cellular actions inhibit the folate cycle and its tethered de novo purine biosynthesis, leading to AMPK activation. MOTS-C treatment in mice prevented age-dependent and high-fat-diet-induced insulin resistance, as well as diet-induced obesity. These results suggest that mitochondria may actively regulate metabolic homeostasis at the cellular and organismal level via peptides encoded within their genome.

Product Name	99% Peptide Intermediate Mots-C (human) Powder CAS 1627580-64-6
Appearance	White, powder
Specification	10mg/vial
Assay	99%min
Test method	HPLC
CAS	1627580-64-6
MF	C101H152N28O22S2
Storage	2-8



Function:

Promotes fatty acid metabolism in the liver

Promotes metabolic flexibility and homeostasis

Helps regulate mitochondrial energy

Protects against age and diet dependent insulin resistance and obesity

Helps with weight loss

Promotes resistance to metabolic stress

Improves exercise capacity

Helps prevent osteoporosis

Improves glucose regulation

Promotes cell differentiation to form osteoblasts

Package and shipping of 99% Peptide Intermediate Mots-C (human) Powder CAS 1627580-64-6**Package****Shipping**

With 3-5 work days after your payment.

FAQ of 99% Peptide Intermediate Mots-C (human) Powder CAS 1627580-64-6

Q1: Do you Accept Sample Order?

A: Yes. The smallest order we accept is one box.

Q2: Do you accept VISA business credit card?

A: Yes. VISA business credit card is in our payment .

Q3: Is there any discount?

A: Yes, if you want to purchase larger quantity, we can offer better price for you.

Q4: How long does it take to me if I order?

A: About 3-5 days upon receipt of payment.

Q5: What kind of transportation do you have?

A: We have many ways of transportations, eg: Air, Sea, Special Lines,TNT, FEDEX, EMS, ect.



Shaanxi Hongbaiyi Biotech Co., Ltd.



18192109180



tracy@sxhongbaiyi.com



peptide-powder.com

Hengjia Business Building, No.115 Weiyang Road, E&T Development Zone, Xi'an, Shaanxi, China.