

Product Name: MOTS-c (mouse)

Cat. No.: MRP-2505-CXX-21

Package: 1 mg/5 mg/10 mg/50 mg/100 mg

Description

Mouse MOTS-c is a mitochondrial-derived polypeptide that regulates pancreatic cell function. It reduces insulin secretion and expression in INS-1E cells while enhancing glucagon secretion and expression in α TC-1 cells. MOTS-c also decreases apoptosis in both cell types and counteracts diet-induced obesity and insulin resistance via AMPK activation.

Product Details

Purity: 99.23%

Formula: C₆₉H₉₉N₁₃O₁₇S₂

Molecular Weight: 1446.73

Appearance: Solid

Color: White to off-white

Biological Target: AMPK; Apoptosis

Research Areas: Metabolic Disease


Sequence: Met-Lys-Trp-Glu-Glu-Met-Gly-Tyr-Ile-Phe-Leu

Sequence Shortening: MKWEEMGYIFL

Solubility: H₂O: 33.33 mg/mL (23.04 mM, ultrasonic and adjust pH to 9 with NH₃·H₂O)

Shipping Conditions: Room Temperature

Storage Information: Powder: -80°C (2 years), -20°C (1 year); In solvent: -80°C (6 months), -20°C (1 month)

 For preclinical research and development use only; not intended for therapeutic or other applications.