

MOTS-c, mouse

Chemical Properties

CAS No. :

Formula: C69H99N13O17S2

Molecular Weight: 1446.73

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description

MOTS-c, mouse is a mitochondrial-derived peptide involved in the regulation of pancreatic cell function. It reduces insulin secretion and expression in INS-1E cells while enhancing glucagon secretion and expression in α TC-1 cells. Additionally, MOTS-c, mouse decreases apoptosis in both INS-1E and α TC-1 cells and counteracts diet-induced obesity and insulin resistance by activating AMPK.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6912 mL	3.4561 mL	6.9121 mL
5 mM	0.1382 mL	0.6912 mL	1.3824 mL
10 mM	0.0691 mL	0.3456 mL	0.6912 mL
50 mM	0.0138 mL	0.0691 mL	0.1382 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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