

Myoregulin

Chemical Properties

CAS No. :

Formula: C239H391N53O67S3

Molecular Weight: 5175.17

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	Myoregulin (MLN peptide), a regulin family member, modulates muscle performance through intracellular calcium handling. It directly interacts with the sarcoplasmic reticulum Ca ²⁺ -ATPase (SERCA), impeding Ca ²⁺ uptake into the sarcoplasmic reticulum [1] [2].
Targets(IC50)	Calcium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.1932 mL	0.9662 mL	1.9323 mL
5 mM	0.0386 mL	0.1932 mL	0.3865 mL
10 mM	0.0193 mL	0.0966 mL	0.1932 mL
50 mM	0.0039 mL	0.0193 mL	0.0386 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.

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