

Malonyl Coenzyme A lithium

Chemical Properties

CAS No. : 108347-84-8

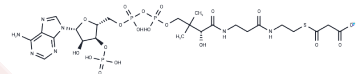
Formula: C₂₄H₃₇N₇O₁₉P₃S.xLi

Molecular Weight: 860.52

Store at low temperature

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	Malonyl Coenzyme A lithium (Malonyl CoA lithium) is an important precursor for the production of a variety of chemicals that modulate insulin-stimulated glucose transport in myotubes.
Targets(IC50)	Mitochondrial Metabolism,CPT
In vitro	Co-incubation of myotubes with Malonyl Coenzyme A lithium significantly blocked insulin-triggered glucose transport and effectively inhibited palmitic acid oxidation. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1621 mL	5.8104 mL	11.6209 mL
5 mM	0.2324 mL	1.1621 mL	2.3242 mL
10 mM	0.1162 mL	0.581 mL	1.1621 mL
50 mM	0.0232 mL	0.1162 mL	0.2324 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.

Reference

Patil PB, et al. Malonyl coenzyme A affects insulin-stimulated glucose transport in myotubes. Arch Physiol Biochem. 2007 Feb;113(1):13-24.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481