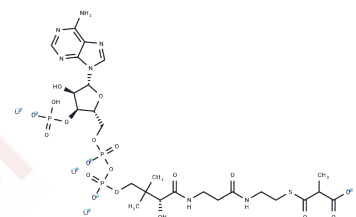


## Methylmalonyl-CoA tetralithium

## Chemical Properties

CAS No. :	104809-02-1
Formula:	C <sub>25</sub> H <sub>36</sub> Li <sub>4</sub> N <sub>7</sub> O <sub>19</sub> P <sub>3</sub> S
Molecular Weight:	891.34
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	Methylmalonyl-CoA tetralithium, also known as Methylmalonyl coenzyme A, serves as a metabolic byproduct derived from the breakdown of valine, isoleucine, methionine, threonine, odd-chain fatty acids, and cholesterol. It is converted into succinyl-CoA through the enzymatic activity of methylmalonyl-CoA mutase (MCM) in the presence of the coenzyme vitamin B12 [1].
Targets(IC50)	Endogenous Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1219 mL	5.6095 mL	11.2191 mL
5 mM	0.2244 mL	1.1219 mL	2.2438 mL
10 mM	0.1122 mL	0.561 mL	1.1219 mL
50 mM	0.0224 mL	0.1122 mL	0.2244 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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