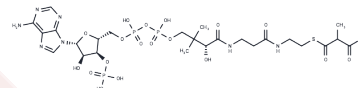


## Methylmalonyl-CoA

## Chemical Properties

CAS No. :	1264-45-5
Formula:	C <sub>25</sub> H <sub>40</sub> N <sub>7</sub> O <sub>19</sub> P <sub>3</sub> S
Molecular Weight:	867.61
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 coenzyme A (Methylmalonyl-CoA) is a metabolic product derived from the breakdown of odd-chain fatty acids, cholesterol, and certain amino acids, such as valine, isoleucine, methionine, and threonine. It is enzymatically converted into succinyl-CoA through the action of methylmalonyl-CoA mutase (MCM) utilizing coenzyme vitamin B12.
Targets(IC50)	Endogenous Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1526 mL	5.763 mL	11.5259 mL
5 mM	0.2305 mL	1.1526 mL	2.3052 mL
10 mM	0.1153 mL	0.5763 mL	1.1526 mL
50 mM	0.0231 mL	0.1153 mL	0.2305 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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