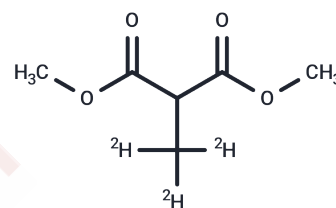


dimethyl 2-(methyl-D3) malonate

Chemical Properties

CAS No. :	65163-28-2
Formula:	C ₆ H ₇ D ₃ O ₄
Molecular Weight:	149.16
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	dimethyl 2-(methyl-D3) malonate is a deuterated compound of dimethyl 2- (methyl) malonate (TMSM-3348). dimethyl 2- (methyl)malonate has a CAS number of 516-05-2. Methylmalonate (MMA) is a dicarboxylic acid that can be derived from methylmalonyl-coenzyme A. It is an indicator of Vitamin B-12 deficiency in cancer.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.7042 mL	33.5211 mL	67.0421 mL
5 mM	1.3408 mL	6.7042 mL	13.4084 mL
10 mM	0.6704 mL	3.3521 mL	6.7042 mL
50 mM	0.1341 mL	0.6704 mL	1.3408 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

- Vashi P, et al. Methylmalonic Acid and Homocysteine as Indicators of Vitamin B-12 Deficiency in Cancer. PLoS One. 2016 Jan 25;11(1):e0147843.

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