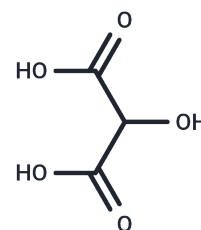


2-Hydroxymalonic acid

Chemical Properties

CAS No. :	80-69-3
Formula:	C ₃ H ₄ O ₅
Molecular Weight:	120.06
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	2-Hydroxymalonic acid inhibits serine racemase (IC ₅₀ = 94 μM) and can be used in related research in the field of life sciences.
Targets(IC50)	Amino Acids and Derivatives

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.3292 mL	41.6458 mL	83.2917 mL
5 mM	1.6658 mL	8.3292 mL	16.6583 mL
10 mM	0.8329 mL	4.1646 mL	8.3292 mL
50 mM	0.1666 mL	0.8329 mL	1.6658 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

Vorlová B, et al. Malonate-based inhibitors of mammalian serine racemase: kinetic characterization and structure-based computational study. Eur J Med Chem. 2015 Jan 7;89:189-97.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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