

Diethyl oxalpropionate

Chemical Properties

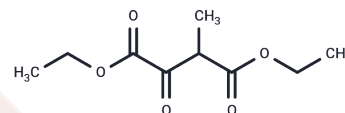
CAS No. : 759-65-9

Formula: C₉H₁₄O₅

Molecular Weight: 202.2

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	Diethyl oxalpropionate (HYL 2-METHYL-3-OXOSUCCINATE), also known as methyloxalacetic acid diethyl ester or diethyl methyloxalacetate, is a member of the class of compounds known as beta-keto acids and derivatives. These compounds are organic compounds containing an aldehyde substituted with a keto group on the C3 carbon atom. Diethyl oxalpropionate is slightly soluble (in water) and a very weakly acidic compound (based on its pKa). Within the cell, diethyl oxalpropionate is primarily located in the cytoplasm.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 55 mg/mL (272.01 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9456 mL	24.728 mL	49.456 mL
5 mM	0.9891 mL	4.9456 mL	9.8912 mL
10 mM	0.4946 mL	2.4728 mL	4.9456 mL
50 mM	0.0989 mL	0.4946 mL	0.9891 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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