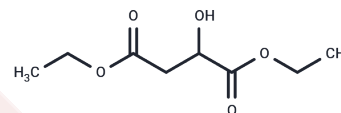


Diethyl malate

Chemical Properties

CAS No. : 7554-12-3
 Formula: C₈H₁₄O₅
 Molecular Weight: 190.19
 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 malate is a succinate ester suitable for biochemical experiments and drug synthesis research.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.2579 mL	26.2895 mL	52.579 mL
5 mM	1.0516 mL	5.2579 mL	10.5158 mL
10 mM	0.5258 mL	2.6289 mL	5.2579 mL
50 mM	0.1052 mL	0.5258 mL	1.0516 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

- Sakurai A, et al. Transcriptional regulation of thioredoxin reductase 1 expression by cadmium in vascular endothelial cells: role of NF-E2-related factor-2. *J Cell Physiol.* 2005 Jun;203(3):529-37.
 Im JY, et al. Cadmium-induced astroglial death proceeds via glutathione depletion. *J Neurosci Res.* 2006 Feb 1;83(2):301-8.

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