

Diethyl Decanedioate

Chemical Properties

CAS No. :	2432-87-3
Formula:	C ₂₆ H ₅₀ O ₄
Molecular Weight:	426.673
Storage:	Pure form: -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 Decanedioate is commonly used as a plasticiser and is widely used in biochemical experiments and drug synthesis research.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 1.00 mg/mL (2.34 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	2.3437 mL	11.7187 mL	23.4373 mL
5 mM	0.4687 mL	2.3437 mL	4.6875 mL
10 mM	0.2344 mL	1.1719 mL	2.3437 mL
50 mM	0.0469 mL	0.2344 mL	0.4687 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

Barupal DK, Fiehn O. Generating the Blood Exposome Database Using a Comprehensive Text Mining and Database Fusion Approach. Environ Health Perspect. 2019 Sep;127(9):97008. doi: 10.1289/EHP4713. Epub 2019 Sep 26.

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