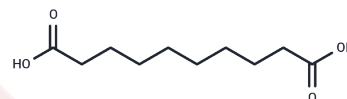


Decanedioic acid

Chemical Properties

CAS No. :	111-20-6
Formula:	C ₁₀ H ₁₈ O ₄
Molecular Weight:	202.25
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	Decanedioic acid (Sebacinsäure) is a saturated, straight-chain naturally occurring dicarboxylic acid.
Targets(IC50)	HIV Protease,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 55 mg/mL (271.94 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (9.89 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9444 mL	24.7219 mL	49.4438 mL
5 mM	0.9889 mL	4.9444 mL	9.8888 mL
10 mM	0.4944 mL	2.4722 mL	4.9444 mL
50 mM	0.0989 mL	0.4944 mL	0.9889 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

Solubility and Activity Coefficients of Suberic, Azelaic, et al. J. Chem. Eng. Data. 51 (5): 1660-1667.

Hu Q, Wang S, Cheng R, et al. Tannins in *Phyllanthus emblica* L. improves Cisplatin efficacy in lung cancer cells by boosting endoplasmic reticulum stress to trigger Immunogenic Cell Death. *Phytomedicine*. 2023: 155219.

Wang CR, et al. *Environ Toxicol Pharmacol*. 2014 Mar;37(2):626-37.

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