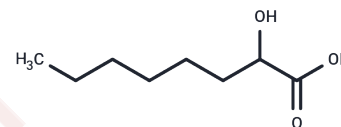


2-Hydroxycaprylic acid

Chemical Properties

CAS No. :	617-73-2
Formula:	C ₈ H ₁₆ O ₃
Molecular Weight:	160.21
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-Hydroxyoctanoic acid is a medium-chain acyl-coenzyme A synthetase inhibitor (K _i :500 μM). 3-Hydroxymandelic acid is a protein hydrolysis product of larger proteins.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 50 mg/mL (312.09 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 (12.48 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	6.2418 mL	31.209 mL	62.4181 mL
5 mM	1.2484 mL	6.2418 mL	12.4836 mL
10 mM	0.6242 mL	3.1209 mL	6.2418 mL
50 mM	0.1248 mL	0.6242 mL	1.2484 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

Alderson S G , Barratt M D , Black J G . Effect of 2-hydroxyacids on guinea-pig footpad stratum corneum: Mechanical properties and binding studies[J]. International Journal of Cosmetic Science, 1984, 6(2):91-100.

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