

1-Eicosanol

Chemical Properties

CAS No. : 629-96-9

Formula: C₂₀H₄₂O

Molecular Weight: 298.55

Keep away from moisture

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	1-Eicosanol is a natural product isolated from Hypericum carinatum. 1-Eicosanol has antioxidant activity.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 2.3 mg/mL (7.7 mM),Sonication is recommended. Ethanol: 20 mg/mL (66.99 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 0.23 mg/mL (0.77 mM),Solution. 10% EtOH+90% Corn Oil: 2 mg/mL (6.7 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	3.3495 mL	16.7476 mL	33.4952 mL
5 mM	0.6699 mL	3.3495 mL	6.699 mL
10 mM	0.335 mL	1.6748 mL	3.3495 mL
50 mM	0.067 mL	0.335 mL	0.6699 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

Bernardi AP, et al. Benzophenones from *Hypericum carinatum*. *Journal of Natural Products*, 01 May 2005, 68(5): 784-786.

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