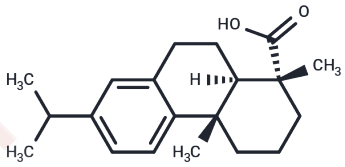
Data Sheet (Cat.No.TCS1772)

TargetMol

Dehydroabietic acid

Chemical Properties



CAS No. : 1740-19-8

Formula: C20H28O2

Molecular Weight: 300.44

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. Dehydroabietic acid (Dehydroabietate) (DAA) is an EBV-EA activation inhibitor. 2. DAA is a useful food-derived compound for treating obesity-related diseases, by decreasing plasma glucose, insulin levels, plasma triglyceride (TG) , and hepatic TG levels. 3. DAA derivatives displays anti-secretory and anti-pepsin effect in animal models.
Targets(IC50)	Antibacterial,Antibiotic,Antifection,Antifungal,PPAR

Solubility Information

Solubility	Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, DMSO: 125 mg/mL (416.06 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (8.32 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3285 mL	16.6423 mL	33.2845 mL
5 mM	0.6657 mL	3.3285 mL	6.6569 mL
10 mM	0.3328 mL	1.6642 mL	3.3285 mL
50 mM	0.0666 mL	0.3328 mL	0.6657 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

Zhang G , Jiang C , Wang Z , et al. Dehydroabietic Acid Derivative QC2 Induces Oncosis in Hepatocellular Carcinoma Cells[J]. Journal of Biomedicine and Biotechnology, 2014, 2014(2):682197.

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