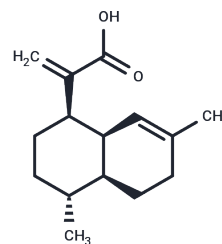


Artemisic acid

Chemical Properties

CAS No. :	80286-58-4
Formula:	C ₁₅ H ₂₂ O ₂
Molecular Weight:	234.33
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. Artemisic acid ((+)-Artemisinic Acid) shows antibacterial activity. 2. Artemisinic acid is a major precursor of artemisinin (an antimalaric compound), isolated as the active principles of the medicinal plant Artemisia annua L.
Targets(IC50)	Antibacterial, Interleukin, JNK

Solubility Information

Solubility	Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, DMSO: 122.5 mg/mL (522.77 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: 1 mg/mL (4.27 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	4.2675 mL	21.3374 mL	42.6749 mL
5 mM	0.8535 mL	4.2675 mL	8.535 mL
10 mM	0.4267 mL	2.1337 mL	4.2675 mL
50 mM	0.0853 mL	0.4267 mL	0.8535 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

Lee J , Kim M H , Lee J H , et al. Artemisinic acid is a regulator of adipocyte differentiation and C/EBP δ expression[J]. Journal of Cellular Biochemistry, 2012, 113(7):2488-2499.

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