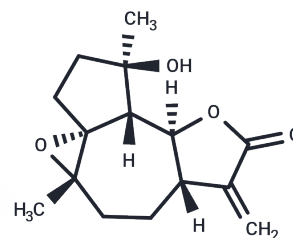


Epoxymicheliolide

Chemical Properties

CAS No. :	1343403-10-0
Formula:	C ₁₅ H ₂₀ O ₄
Molecular Weight:	264.32
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	Tiglic acid is a monocarboxylic unsaturated organic acid found in croton oil and several other natural products. It functions as a plant metabolite.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 12 mg/mL (45.4 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 (7.57 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	3.7833 mL	18.9165 mL	37.8329 mL
5 mM	0.7567 mL	3.7833 mL	7.5666 mL
10 mM	0.3783 mL	1.8916 mL	3.7833 mL
50 mM	0.0757 mL	0.3783 mL	0.7567 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

Qi Z, et al. Study of effects of micheliolide on ovarian cancer cell lines and its mechanism. Zhonghua Fu Chan Ke Za Zhi. 2016 Sep 25;51(9):688-692.

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