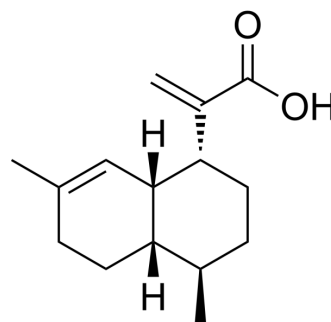


Artemisic acid

Cat. No.:	HY-N1984
CAS No.:	80286-58-4
Molecular Formula:	C ₁₅ H ₂₂ O ₂
Molecular Weight:	234.33
Target:	Bacterial
Pathway:	Anti-infection
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (426.75 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.2675 mL	21.3374 mL	42.6749 mL
	5 mM	0.8535 mL	4.2675 mL	8.5350 mL
	10 mM	0.4267 mL	2.1337 mL	4.2675 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 0.83 mg/mL (3.54 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 0.83 mg/mL (3.54 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 0.83 mg/mL (3.54 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Artemisinin acid (Qing Hao acid), an amorphane sesquiterpene isolated from *Artemisia annua* L., possesses a variety of pharmacological activity, such as antimalarial activity, anti-tumor activity, antipyretic effect, antibacterial activity, allelopathy effect and anti-adipogenesis effect^[1].

REFERENCES

- [1]. Jianqiang Kong, et al. Artemisinin acid: A promising molecule potentially suitable for the semi-synthesis of artemisinin. RSC Adv. 2013.

Caution: Product has not been fully validated for medical applications. For research use only.

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