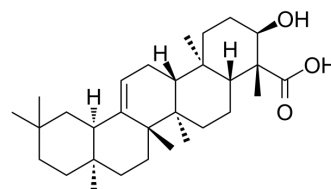


alpha-Boswellic acid

Cat. No.:	HY-N0611		
CAS No.:	471-66-9		
Molecular Formula:	C ₃₀ H ₄₈ O ₃		
Molecular Weight:	456.7		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (54.74 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1896 mL	10.9481 mL	21.8962 mL
	5 mM	0.4379 mL	2.1896 mL	4.3792 mL
	10 mM	0.2190 mL	1.0948 mL	2.1896 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: 2.5 mg/mL (5.47 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (5.47 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (5.47 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

alpha-Boswellic acid (α-Boswellic acid) is a pentacyclic triterpene compound from extracts of Frankincense, has anticonvulsant and anti-cancer properties^[1]. alpha-Boswellic acid prevents and decreases the progression of Alzheimer's hallmarks in vivo and can be used for Alzheimer's disease research^[2].

REFERENCES

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

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