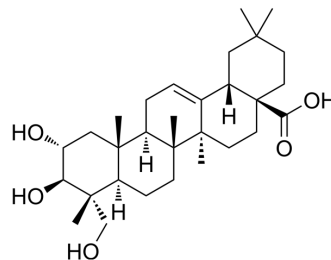


Arjunolic acid

Cat. No.:	HY-N2896		
CAS No.:	465-00-9		
Molecular Formula:	C ₃₀ H ₄₈ O ₅		
Molecular Weight:	488.7		
Target:	Reactive Oxygen Species		
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (204.62 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0462 mL	10.2312 mL	20.4625 mL
	5 mM	0.4092 mL	2.0462 mL	4.0925 mL
	10 mM	0.2046 mL	1.0231 mL	2.0462 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 (5.12 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (5.12 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (5.12 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Arjunolic acid is a saponin isolated from *Cyclocarya paliurus* and has various biological activities, including antioxidant, antimicrobial, antibacterial and anti-inflammatory activities. Arjunolic acid is also a potent antioxidant and plays an important role in the protection of cells and tissues against deleterious effects of reactive oxygen species^[1].

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA