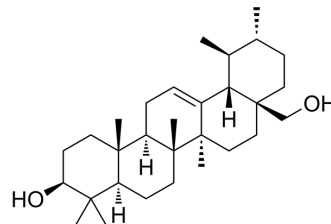


Uvaol

Cat. No.:	HY-N1109
CAS No.:	545-46-0
Molecular Formula:	C ₃₀ H ₅₀ O ₂
Molecular Weight:	442.72
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

Ethanol : 10 mg/mL (22.59 mM); ultrasonic and warming and heat to 60°C
DMSO : 2 mg/mL (4.52 mM); ultrasonic and warming and heat to 60°C

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		2.2588 mL	11.2938 mL	22.5876 mL
	5 mM		0.4518 mL	2.2588 mL	4.5175 mL
	10 mM		0.2259 mL	1.1294 mL	2.2588 mL

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

In Vivo

- Add each solvent one by one: 10% EtOH >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 1 mg/mL (2.26 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% EtOH >> 90% corn oil
Solubility: ≥ 1 mg/mL (2.26 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Uvaol, a triterpene present in olives and virgin olive oil, possesses anti-inflammatory properties and antioxidant effects. Uvaol attenuates pleuritis and eosinophilic inflammation in ovalbumin-induced allergy in mice^[1].

REFERENCES

[1]. Agra LC, et al. Uvaol attenuates pleuritis and eosinophilic inflammation in ovalbumin-induced allergy in mice. Eur J Pharmacol. 2016 Jun 5;780:232-42.

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

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