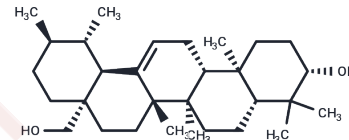


Uvaol

Chemical Properties

CAS No. :	545-46-0
Formula:	C ₃₀ H ₅₀ O ₂
Molecular Weight:	442.72
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	Uvaol is present in olives and virgin olive oil with anti-inflammatory, anti-proliferative, and vasorelaxant activities.
Targets(IC50)	Apoptosis,Endogenous Metabolite,JNK,PPAR
In vitro	Uvaol decreased collagen I and galectin 3 levels induced by angiotensin II in cardiac myofibroblasts[1]. Uvaol attenuates pleuritis and eosinophilic inflammation in ovalbumin-induced allergy in mice[2].

Solubility Information

Solubility	Ethanol: 8 mg/mL (18.07 mM),Sonication and heating to 60°C are recommended. DMSO: 1.5 mg/mL (3.39 mM),Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% EtOH+90% Corn Oil: 0.5 mg/mL (1.13 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	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
50 mM	0.0452 mL	0.2259 mL	0.4518 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

Martín R, et al. DIOL triterpenes block profibrotic effects of angiotensin II and protect from cardiac hypertrophy. PLoS One. 2012;7(7):e41545.

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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