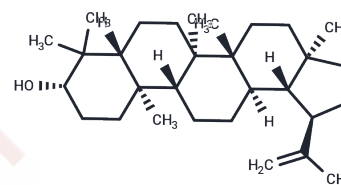


Lupeol

Chemical Properties

CAS No. :	545-47-1
Formula:	C ₃₀ H ₅₀ O
Molecular Weight:	426.72
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	Lupeol (Monogynol B) is a novel androgen receptor inhibitor with anti-inflammatory and antioxidant activity.
Targets(IC50)	Apoptosis,Androgen Receptor,Akt

Solubility Information

Solubility	H ₂ O: 1 mg/mL (2.34 mM),Sonication is recommended. Ethanol: 10 mg/mL (23.43 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% EtOH+90% Corn Oil: 1 mg/mL (2.34 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	2.3435 mL	11.7173 mL	23.4346 mL
5 mM	0.4687 mL	2.3435 mL	4.6869 mL
10 mM	0.2343 mL	1.1717 mL	2.3435 mL
50 mM	0.0469 mL	0.2343 mL	0.4687 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

Liu Y, et al. Technol Y Res Treat. 2015 Oct 6. pii: 1533034615609014.

Kapisiz A, Kaya C, Eryilmaz S, et al. Protective effects of lupeol in rats with renal ischemia-reperfusion injury. Experimental and Therapeutic Medicine. 2024, 28(2): 1-10.

Kaya C, Kapisiz A, Eryilmaz S, et al. Effects of Lupeol on Intestinal Anastomosis After Experimental Intestinal Ischemia-Reperfusion Injury in Rats. Drug Design, Development and Therapy. 2025: 479-490.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481