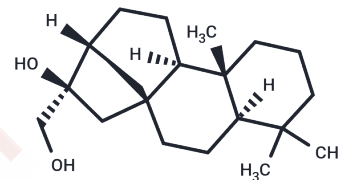


kauran-16,17-diol

Chemical Properties

CAS No. :	16836-31-0
Formula:	C ₂₀ H ₃₄ O ₂
Molecular Weight:	306.48
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	Kauran-16,17-diol, a natural diterpenoid product, exhibits anti-tumoral and apoptosis-inducing activities by inhibiting NO production in LPS-induced RAW 264.7 cells with an IC ₅₀ value of 17 μM.
Targets(IC ₅₀)	Apoptosis

Solubility Information

Solubility	DMSO: 12 mg/mL (39.15 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 1 mg/mL (3.26 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	3.2629 mL	16.3143 mL	32.6286 mL
5 mM	0.6526 mL	3.2629 mL	6.5257 mL
10 mM	0.3263 mL	1.6314 mL	3.2629 mL
50 mM	0.0653 mL	0.3263 mL	0.6526 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.

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