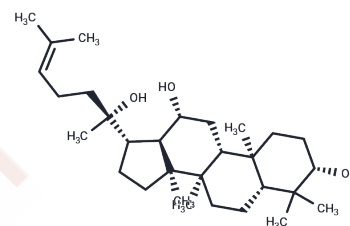


(20R)-Protopanaxadiol

Chemical Properties

CAS No. : 7755-01-3
 Formula: C₃₀H₅₂O₃
 Molecular Weight: 460.73
 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	1. (20R)-Protopanaxadiol ((20R)-Protopanaxadiol) has the effect of anti-tumor through increasing the activity of body immunity, inhibiting tumor interstitial microvascular density and its proliferation activity, improving the lymphocyte transformation, the activity of NK cells and the contents of IL-2 significantly. 2. (20R)-Protopanaxadiol prevents and heals obesity, fatty liver and hypertriglyceridemia in mice fed with a high-fat diet.
Targets(IC50)	Antibacterial, Interleukin

Solubility Information

Solubility	DMSO: 10 mg/mL (21.7 mM), Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 1 mg/mL (2.17 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	2.1705 mL	10.8523 mL	21.7047 mL
5 mM	0.4341 mL	2.1705 mL	4.3409 mL
10 mM	0.217 mL	1.0852 mL	2.1705 mL
50 mM	0.0434 mL	0.217 mL	0.4341 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 R , Zhang J Z , Liu W C , et al. Anti-obesity effects of protopanaxdiol types of ginsenosides isolated from the leaves of american ginseng (panax quinquefolius L.) in mice fed with a high-fat diet[J]. Fitoterapia, 2010, 81(8): 1079-1087.

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