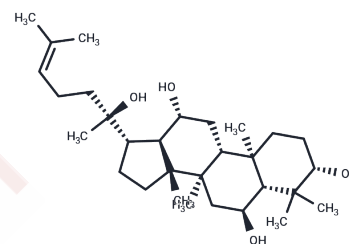


(20S)-Protopanaxatriol

Chemical Properties

CAS No. :	34080-08-5
Formula:	C30H52O4
Molecular Weight:	476.73
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	(20S)-Protopanaxatriol (g-PPT)(g-PPT), a metabolite of ginsenoside, could regulate endothelial cell functions through the estrogen receptor and glucocorticoid receptor.
Targets(IC50)	Apoptosis, Estrogen Receptor/ERR, Glucocorticoid Receptor, Estrogen/progestogen Receptor, Liver X Receptor

Solubility Information

Solubility	DMSO: 125 mg/mL (262.2 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.2 mM), Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (20.98 mM), Solution. <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	2.0976 mL	10.4881 mL	20.9762 mL
5 mM	0.4195 mL	2.0976 mL	4.1952 mL
10 mM	0.2098 mL	1.0488 mL	2.0976 mL
50 mM	0.042 mL	0.2098 mL	0.4195 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

Zhang Y, et al. Sci Rep. 2014 Dec 9;4:7375.

Chen Z, Ni R, Hu Y, et al. A natural protopanaxatriol from Panax notoginseng enhances osteosarcoma sensitivity to ferroptosis via ASCL4 upregulation. Journal of Functional Foods. 2024, 122: 106488.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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