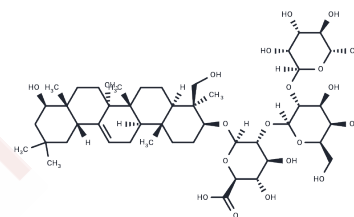


Soyasaponin Bb

Chemical Properties

CAS No. :	51330-27-9
Formula:	C ₄₈ H ₇₈ O ₁₈
Molecular Weight:	943.12
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. Soyasaponin Bb (Soyasaponin I) can suppress Eca-976 cell growth, reverse effects on over expression of c-met, VEGF, and induce cell apoptosis through inhibiting HDAC1-NF-kappaB and activating PETEN and caspase-3 signaling pathways.
Targets(IC50)	Apoptosis,NF-κB,Reductase,Caspase,ROS

Solubility Information

Solubility	DMSO: 45 mg/mL (47.71 mM),Sonication is recommended. Ethanol: 1 mg/mL (1.06 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (2.12 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	1.0603 mL	5.3016 mL	10.6031 mL
5 mM	0.2121 mL	1.0603 mL	2.1206 mL
10 mM	0.106 mL	0.5302 mL	1.0603 mL
50 mM	0.0212 mL	0.106 mL	0.2121 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

Pei Y , Zhao H , Du X , et al. Apoptosis effects on human esophageal cancer cells by soyasaponin Bb and its machanism[J]. Wei sheng yan jiu = Journal of hygiene research, 2010, 39(4):444-446.

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