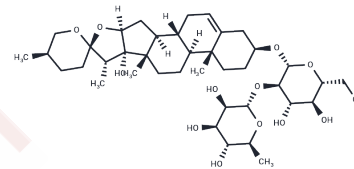


## Polyphyllin VI

### Chemical Properties

CAS No. :	55916-51-3
Formula:	C39H62O13
Molecular Weight:	738.90
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. Polyphyllin VI has hemostasis , expectorant , bacteriostasis, anticytotoxic, anti pregnancy kill sperm effects.
Targets(IC50)	Apoptosis,Antibacterial,Pyroptosis

### Solubility Information

Solubility	Ethanol: Soluble, H2O: < 1 mg/mL (insoluble or slightly soluble) Pyridine, Methanol, etc.: Soluble, DMSO: 250.00 mg/mL (338.34 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: 10 mg/mL (13.53 mM),Suspension. 10% DMSO+90% Saline: < 10 mg/mL (13.53 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. <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	1.3534 mL	6.7668 mL	13.5336 mL
5 mM	0.2707 mL	1.3534 mL	2.7067 mL
10 mM	0.1353 mL	0.6767 mL	1.3534 mL
50 mM	0.0271 mL	0.1353 mL	0.2707 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

Lin Z , Liu Y , Li F , et al. Anti...ung Cancer Effects of Polyphyllin VI and VII Potentially Correlate with Apoptosis In Vitro and In Vivo[J]. Phytotherapy Research, 2015, 29(10).

Luo H, Xu Y, Sun D, et al. Assessment of the inhibition risk of paris saponins, bioactive compounds from Paris polyphylla, on CYP and UGT enzymes via cocktail inhibition assays. Regulatory Toxicology and Pharmacology. 2020, 113: 104637.

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