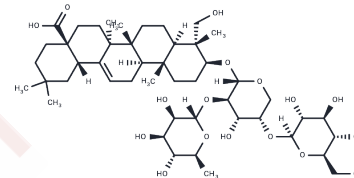


## Pulsatilla saponin D

### Chemical Properties

CAS No. :	68027-15-6
Formula:	C47H76O17
Molecular Weight:	913.1
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	Pulsatilla saponin D (Hederacolchiside A) has exhibited potential beneficial effects as a chemopreventive agent for critical health conditions including cancer, and it inhibits cell growth via cell cycle arrest and apoptosis in various cancer cell types.
Targets(IC50)	Apoptosis

### Solubility Information

Solubility	DMSO: 40 mg/mL (43.81 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 (2.19 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	1.0952 mL	5.4759 mL	10.9517 mL
5 mM	0.219 mL	1.0952 mL	2.1903 mL
10 mM	0.1095 mL	0.5476 mL	1.0952 mL
50 mM	0.0219 mL	0.1095 mL	0.219 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

Hong SW, et al. SB365, Pulsatilla saponin D, targets c-Met and exerts antiangiogenic and antitumor activities. *Carcinogenesis*. 2013 Sep;34(9):2156-69.

Jung D H, Lee A, Hwang Y H, et al. Therapeutic effects of Pulsatilla koreana Nakai extract on ovalbumin-induced allergic rhinitis by inhibition of Th2 cell activation and differentiation via the IL-4/STAT6/GATA3 pathway. *Biomedicine & Pharmacotherapy*. 2023, 162: 114730.

Son MK, et al. SB365, Pulsatilla saponin D suppresses proliferation and induces apoptosis of pancreatic cancer cells. *Oncol Rep*. 2013 Aug;30(2):801-8.

Son MK, et al. SB365, Pulsatilla saponin D suppresses the proliferation of human colon cancer cells and induces apoptosis by modulating the AKT/mTOR signalling pathway. *Food Chem*. 2013 Jan 1;136(1):26-33.

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