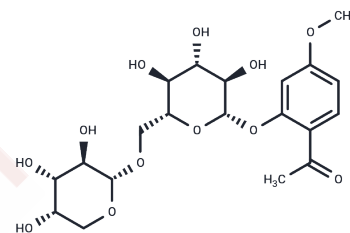


## Paeonolide

## Chemical Properties

CAS No. :	72520-92-4
Formula:	C <sub>20</sub> H <sub>28</sub> O <sub>12</sub>
Molecular Weight:	460.43
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	Paeonolide is a phytylglycoside widely found in the roots of plants of the genus Paeonia and is a novel regulator of the core binding factor subunit alpha-1 in bone-forming cells.
Targets(IC50)	Others

## Solubility Information

Solubility	Ethanol: Soluble, DMSO: 50 mg/mL (108.59 mM), Sonication is recommended. Pyridine, Methanol, etc.: Soluble, ( $< 1$ 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 (4.34 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	2.1719 mL	10.8594 mL	21.7188 mL
5 mM	0.4344 mL	2.1719 mL	4.3438 mL
10 mM	0.2172 mL	1.0859 mL	2.1719 mL
50 mM	0.0434 mL	0.2172 mL	0.4344 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 J, Peng J, Zhang T, et al. Identification of the Main Chemical constituents and mechanism of Renshen Guben oral liquid against Renal Fibrosis. *Chinese Medicine*. 2023, 18(1): 1-14.

Huang B, Lin B, Zheng H, et al. Discovery of natural products as influenza neuraminidase inhibitors: in silico screening, in vitro validation, and molecular dynamic simulation studies. *Molecular Diversity*. 2025: 1-17.

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