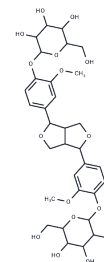


## Pinoresinol diglucoside

## Chemical Properties

CAS No. :	63902-38-5
Formula:	C <sub>32</sub> H <sub>42</sub> O <sub>16</sub>
Molecular Weight:	682.67
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	1. Pinoresinol diglucoside (Pinoresinol Diglucopyranoside) is a putative $\alpha$ -glucosidase inhibiting compound. 2. Pinoresinol diglucoside is an important antihypertensive compound.
Targets(IC50)	Glucosidase

## Solubility Information

Solubility	H <sub>2</sub> O: 100 mg/mL (146.48 mM), Sonication is recommended. DMSO: 245 mg/mL (358.88 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (14.65 mM), Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (4.83 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

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	1mg	5mg	10mg
1 mM	1.4648 mL	7.3242 mL	14.6484 mL
5 mM	0.293 mL	1.4648 mL	2.9297 mL
10 mM	0.1465 mL	0.7324 mL	1.4648 mL
50 mM	0.0293 mL	0.1465 mL	0.293 mL

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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

Nam J W , Kim S Y , Yoon T , et al. Heat Shock Factor 1 Inducers from the Bark of *Eucommia ulmoides* as Cytoprotective Agents[J]. *Chemistry & Biodiversity*, 2013, 10(7):1322-1327.

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