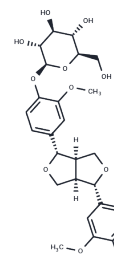


## Pinoresinol 4-O-β-D-glucopyranoside

### Chemical Properties

CAS No. :	69251-96-3
Formula:	C <sub>26</sub> H <sub>32</sub> O <sub>11</sub>
Molecular Weight:	520.53
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	(+)-pinoresinol-β-D-glucoside; (+)-pinor is the major active furanoid lignan in Lianxian. It shows antioxidant, hypotensive and cyclic adenosine monophosphate (cAMP) phosphodiesterase inhibitory activities.
Targets(IC50)	Estrogen Receptor/ERR,Antioxidant,glycosidase,PDE

### Solubility Information

Solubility	DMSO: 45 mg/mL (86.45 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 (3.84 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	1.9211 mL	9.6056 mL	19.2112 mL
5 mM	0.3842 mL	1.9211 mL	3.8422 mL
10 mM	0.1921 mL	0.9606 mL	1.9211 mL
50 mM	0.0384 mL	0.1921 mL	0.3842 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

Parhira S, et al. In vitro anti-influenza virus activities of a new lignan glycoside from the latex of *Calotropis gigantea*. Send to

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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