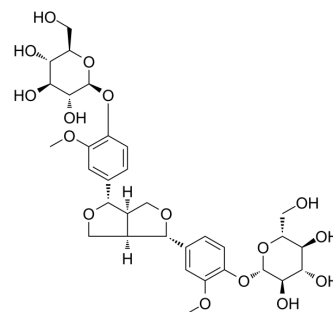


Pinoresinol Diglucoside

Cat. No.:	HY-N0657
CAS No.:	63902-38-5
Molecular Formula:	C ₃₂ H ₄₂ O ₁₆
Molecular Weight:	682.67
Target:	Others
Pathway:	Others
Storage:	<div> <div>Powder</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> </div> <div> <div>In solvent</div> <div>-80°C 2 years</div> <div>-20°C 1 year</div> </div>



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (146.48 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		1.4648 mL	7.3242 mL	14.6484 mL
		5 mM		0.2930 mL	1.4648 mL	2.9297 mL
		10 mM		0.1465 mL	0.7324 mL	1.4648 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (3.66 mM); Clear solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (3.66 mM); Clear solution; Need ultrasonic					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (3.66 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	Pinoresinol Diglucoside is one of the major lignans with various pharmacological activities which could be isolated from Duzhong and other plant species.
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REFERENCES

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[3]. Shi J, et al. Structure identification and fermentation characteristics of pinoresinol diglucoside produced by *Phomopsis* sp. isolated from *Eucommia ulmoides* Oliv. Appl Microbiol Biotechnol. 2012 Feb;93(4):1475-83.

Caution: Product has not been fully validated for medical applications. For research use only.

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