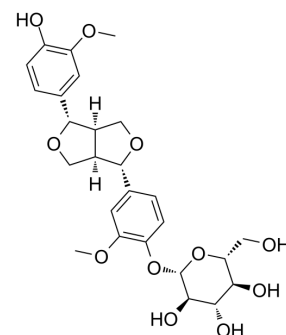


Pinoresinol 4-O-β-D-glucopyranoside

Cat. No.:	HY-N2168
CAS No.:	69251-96-3
Molecular Formula:	C ₂₆ H ₃₂ O ₁₁
Molecular Weight:	520.53
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (192.11 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (4.80 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (4.80 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (4.80 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Pinoresinol 4-O-β-D-glucopyranoside ((+)-Pinoresinol 4-O-β-D-glucopyranoside) is the major active furofuran type lignans in Fructus Forsythiae. Pinoresinol 4-O-β-D-glucopyranoside shows antioxidant, blood pressure reducing, and cyclic adenosine monophosphate (cAMP) phosphodiesterase inhibitory effects^[1].

REFERENCES

[1]. Shihua Xing, et al. Ultra performance Liquid Chromatography/Quadrupole Time of flight Mass Spectrometry Analysis of In vitro Metabolites of Lignans from Fructus Forsythiae by Human Fecal Flora. Pharmacognosy Magazine.

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

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