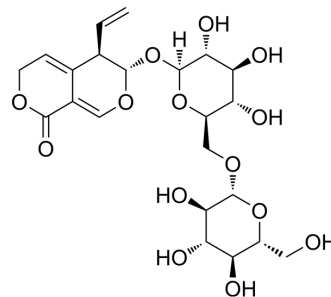


6'-O-beta-D-Glucosylgentiopicroside

Cat. No.:	HY-N2100
CAS No.:	115713-06-9
Molecular Formula:	C ₂₂ H ₃₀ O ₁₄
Molecular Weight:	518.47
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
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 (192.88 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	1.9288 mL	9.6438 mL	19.2875 mL
		5 mM	0.3858 mL	1.9288 mL	3.8575 mL
	10 mM	0.1929 mL	0.9644 mL	1.9288 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 (4.82 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.82 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.82 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	6'-O-beta-D-Glucosylgentiopicroside is a secoiridoid isolated from the roots of <i>G. straminea</i> . 6'-O-beta-D-Glucosylgentiopicroside strongly suppresses N-formyl-methionyl-leucyl-phenylalanine (fMLP)-induced superoxide generation ^[1] .
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REFERENCES

[1]. Wei S, et al. Inhibitory effects of secoiridoids from the roots of *Gentiana straminea* on stimulus-induced superoxide generation, phosphorylation and translocation of cytosolic compounds to plasma membrane in human neutrophils. *Phytother Res.* 2012 Feb;26(2):168-73.

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

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