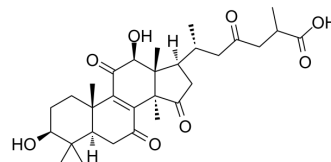


Ganoderic acid C6

Cat. No.:	HY-N2461
CAS No.:	105742-76-5
Molecular Formula:	C ₃₀ H ₄₂ O ₈
Molecular Weight:	530.65
Target:	Aldose Reductase
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (94.22 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	1.8845 mL	9.4224 mL	18.8448 mL
			5 mM	0.3769 mL	1.8845 mL	3.7690 mL
10 mM	0.1884 mL	0.9422 mL	1.8845 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: ≥ 1.25 mg/mL (2.36 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (2.36 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (2.36 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Ganoderic acid C6 has aldose reductase inhibitory activity ^[1] .
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REFERENCES

[1]. Fatmawati S, Shimizu K, Kondo R. Structure-activity relationships of ganoderma acids from *Ganoderma lucidum* as aldose reductase inhibitors. *Bioorg Med Chem Lett*. 2011;21(24):7295-7297.

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

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