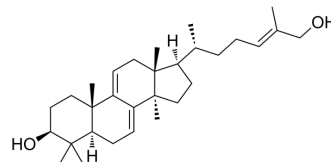


## Ganoderol B

Cat. No.:	HY-N2223
CAS No.:	104700-96-1
Molecular Formula:	C <sub>30</sub> H <sub>48</sub> O <sub>2</sub>
Molecular Weight:	440.7
Target:	Glucosidase
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 : 1.85 mg/mL (4.20 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
		Concentration			
		1 mM	2.2691 mL	11.3456 mL	22.6912 mL
		5 mM	---	---	---
10 mM	---	---	---		
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 0.19 mg/mL (0.43 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	Ganoderol B is a potent α-glucosidase inhibitor. Ganoderol B has high α-glucosidase inhibition with an IC <sub>50</sub> of 48.5 μg/mL (119.8 μM) <sup>[1]</sup> .
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### REFERENCES

[1]. Sri Fatmawati, et al. Ganoderol B: a potent α-glucosidase inhibitor isolated from the fruiting body of Ganoderma lucidum. Phytomedicine. 2011 Sep 15;18(12):1053-5.

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

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