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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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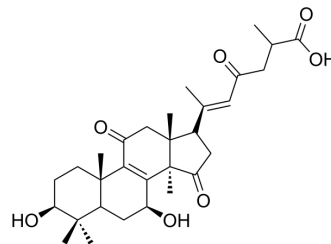
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Ganoderenic acid B

Cat. No.:	HY-N1514
CAS No.:	100665-41-6
Molecular Formula:	C ₃₀ H ₄₂ O ₇
Molecular Weight:	514.65
Target:	P-glycoprotein
Pathway:	Membrane Transporter/Ion Channel
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 (194.31 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		1.9431 mL	9.7153 mL	19.4307 mL
		5 mM		0.3886 mL	1.9431 mL	3.8861 mL
10 mM		0.1943 mL	0.9715 mL	1.9431 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 (4.86 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.86 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.86 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Ganoderenic acid B is a lanostane-type triterpene isolated from <i>Ganoderma lucidum</i> . Ganoderenic acid B exhibits potent reversal effect on ABCB1-mediated multidrug resistance of HepG2/ADM cells to Doxorubicin ^[1] .
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REFERENCES

[1]. Liu DL, et al. *Ganoderma lucidum* derived ganoderenic acid B reverses ABCB1-mediated multidrug resistance in HepG2/ADM cells. *Int J Oncol*. 2015 May;46(5):2029-38.

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

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