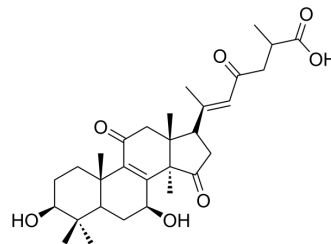


Ganoderenic acid B

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)

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

- 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
- 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
- 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 *Ganoderma lucidum*. Ganoderenic acid B exhibits potent reversal effect on ABCB1-mediated multidrug resistance of HepG2/ADM cells to Doxorubicin^[1].

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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