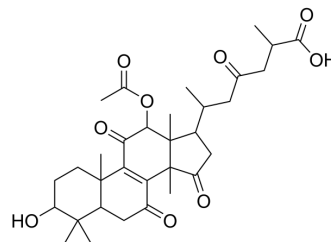


Ganoderic acid H

Cat. No.:	HY-N1513
CAS No.:	98665-19-1
Molecular Formula:	C ₃₂ H ₄₄ O ₉
Molecular Weight:	572.69
Target:	AP-1; NF-κB
Pathway:	Immunology/Inflammation; NF-κB
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (174.61 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		1.7461 mL	8.7307 mL	17.4615 mL
		5 mM		0.3492 mL	1.7461 mL	3.4923 mL
		10 mM		0.1746 mL	0.8731 mL	1.7461 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.37 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.37 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.37 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	Ganoderic acid H is a lanostane-type triterpene isolated from <i>Ganoderma lucidum</i> . Ganoderic acid H suppresses growth and invasive behavior of breast cancer cells through the inhibition of transcription factors AP-1 and NF-kappaB signaling ^[1] .
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REFERENCES

[1]. Jiang J, et al. Ganoderic acids suppress growth and invasive behavior of breast cancer cells by modulating AP-1 and NF-kappaB signaling. *Int J Mol Med*. 2008 May;21(5):577-84.

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

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