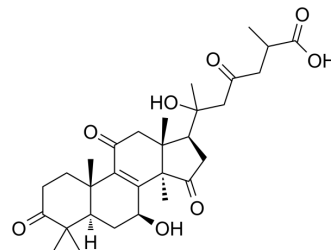


## Ganoderic acid N

<b>Cat. No.:</b>	HY-123100
<b>CAS No.:</b>	110241-19-5
<b>Molecular Formula:</b>	C <sub>30</sub> H <sub>42</sub> O <sub>8</sub>
<b>Molecular Weight:</b>	530.65
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 50 mg/mL (94.22 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		1.8845 mL	9.4224 mL	18.8448 mL
		<b>5 mM</b>		0.3769 mL	1.8845 mL	3.7690 mL
<b>10 mM</b>		0.1884 mL	0.9422 mL	1.8845 mL		
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	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

<b>Description</b>	Ganoderic acid N is a natural terpenoid isolated from the Fungus <i>Ganoderma lucidum</i> <sup>[1][2]</sup> .
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### REFERENCES

[1]. Zhenhao Li, et al. Screening Immunoactive Compounds of *Ganoderma lucidum* Spores by Mass Spectrometry Molecular Networking Combined With in vivo Zebrafish Assays. *Front Pharmacol.* 2020 Mar 18;11:287.

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[2]. Baosong Chen, et al. Triterpenes and meroterpenes from *Ganoderma lucidum* with inhibitory activity against HMGs reductase, aldose reductase and  $\alpha$ -glucosidase. *Fitoterapia*. 2017 Jul;120:6-16.

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

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