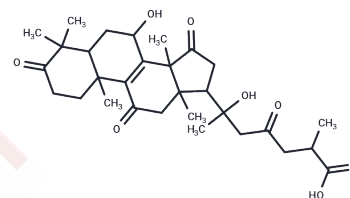


## Ganoderic acid N

## Chemical Properties

CAS No. :	110241-19-5
Formula:	C <sub>30</sub> H <sub>42</sub> O <sub>8</sub>
Molecular Weight:	530.66
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Ganoderic acid N is a natural terpenoid compound used in biochemical experiments and drug synthesis research.
Targets(IC50)	Others
In vitro	Ganoderic acid N is a triterpenoid compound isolated from Ganoderma lucidum, possessing angiotensin-converting enzyme (ACE) inhibitory activity. In a cell-free experimental system, its IC <sub>50</sub> for ACE was 0.941 mM [3].

## Solubility Information

Solubility	DMSO: 40.00 mg/mL (75.38 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8844 mL	9.4222 mL	18.8445 mL
5 mM	0.3769 mL	1.8844 mL	3.7689 mL
10 mM	0.1884 mL	0.9422 mL	1.8844 mL
50 mM	0.0377 mL	0.1884 mL	0.3769 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

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.

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.

Hai-Bang, T., and Shimizu, K. Structure-activity relationship and inhibition pattern of reishi-derived (Ganoderma lingzhi) triterpenoids against angiotensin-converting enzyme. *Phytochem. Lett.* 12, 243-247 (2015).

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