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Zuschläge

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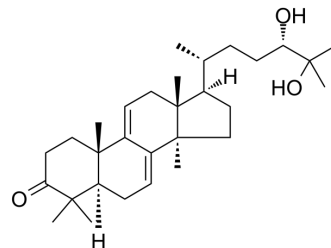
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Ganodermanondiol

Cat. No.:	HY-N2996
CAS No.:	107900-76-5
Molecular Formula:	C ₃₀ H ₄₈ O ₃
Molecular Weight:	456.7
Target:	HIV Protease
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ganodermanondiol is a melanogenesis inhibitor isolated from the <i>Ganoderma lucidum</i> ^[1] . Ganodermanondiol exhibits potent cytoprotective effects on tert-butyl hydroperoxide-induced hepatotoxicity ^[2] . Ganodermanondiol shows significant anti-HIV-1 protease activity with an IC ₅₀ of 90 μM ^[3] . Ganodermanondiol exhibits a strong anticomplement activity against the classical pathway of the complement system with an IC ₅₀ of 41.7 μM ^[4] .
IC₅₀ & Target	IC ₅₀ : 90 μM (HIV-1 protease) ^[3]

REFERENCES

- [1]. Kim JW, et al. Effects of Ganodermanondiol, a New Melanogenesis Inhibitor from the Medicinal Mushroom *Ganoderma lucidum*. *Int J Mol Sci*. 2016 Oct 27;17(11).
- [2]. Li B, et al. Protective effect of ganodermanondiol isolated from the Lingzhi mushroom against tert-butyl hydroperoxide-induced hepatotoxicity through Nrf2-mediated antioxidant enzymes. *Food Chem Toxicol*. 2013 Mar;53:317-24.
- [3]. Min BS, et al. Triterpenes from the spores of *Ganoderma lucidum* and their inhibitory activity against HIV-1 protease. *Chem Pharm Bull (Tokyo)*. 1998 Oct;46(10):1607-12.
- [4]. Min BS, et al. Anticomplement activity of terpenoids from the spores of *Ganoderma lucidum*. *Planta Med*. 2001 Dec;67(9):811-4.

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

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