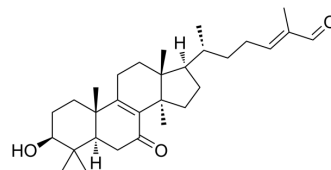


Lucidal

Cat. No.:	HY-122782
CAS No.:	252351-96-5
Molecular Formula:	C ₃₀ H ₄₆ O ₃
Molecular Weight:	454.68
Target:	Glucosidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Lucidal (Lucialdehyde C) is a natural lanostane-type triterpene aldehyde that shows inhibitory effects against α -glucosidase (Glucosidase) with an IC ₅₀ of 0.635 mM. Lucidal has anticancer and antidiabetic effects ^{[1][2]} .
In Vitro	Lucidal (Lucialdehyde C) exhibits cytotoxicity against Lewis lung carcinoma (LLC), T-47D, Sarcoma 180, and Meth-A tumor cells with ED ₅₀ values of 10.7 μ g/mL, 4.7 μ g/mL, 7.1 μ g/mL, and 3.8 μ g/mL, respectively ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Xian-Qiang Chen, et al. Lanostane triterpenes from the mushroom *Ganoderma resinaceum* and their inhibitory activities against α -glucosidase. *Phytochemistry*. 2018 May;149:103-115.
- [2]. Jiang-Jing Gao, et al. New triterpene aldehydes, lucialdehydes A-C, from *Ganoderma lucidum* and their cytotoxicity against murine and human tumor cells. *Chem Pharm Bull (Tokyo)*. 2002 Jun;50(6):837-40.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA