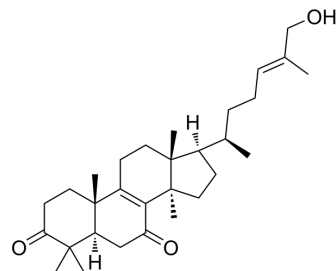


Ganoderone A

Cat. No.:	HY-111243
CAS No.:	873061-79-1
Molecular Formula:	C ₃₀ H ₄₆ O ₃
Molecular Weight:	454.68
Target:	HSV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ganoderone A is a triterpene compound that can be isolated from the fruiting body of <i>Ganoderma pfeifferi</i> and <i>Ganoderma calidophilum</i> . Ganoderone A has antiviral activity against HSV with IC ₅₀ value of 0.3 µg/mL. Ganoderone A has potential applications in viral infections and tumors ^{[1][2][3]} .
IC₅₀ & Target	HSV 0.3 µg/mL (IC ₅₀)
In Vitro	Ganoderone A exhibits cytotoxic activity on K562, BEL7402 and SGC790 cell lines with IC ₅₀ values of 7.62 µM, 6.28 µM and 3.55 µM, respectively ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Niedermeyer TH, et al. Antiviral Terpenoid Constituents of *Ganoderma pfeifferi*. *J Nat Prod*. 2005 Dec;68(12):1728-31.
- [2]. Huang S Z, et al. Anti-allergic prenylated hydroquinones and alkaloids from the fruiting body of *Ganoderma calidophilum*[J]. *RSC advances*, 2016, 6(25): 21139-21147.
- [3]. Huang SZ, et al. Lanostane-type triterpenoids from the fruiting body of *Ganoderma calidophilum*. *Phytochemistry*. 2017 Nov;143:104-110.

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

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