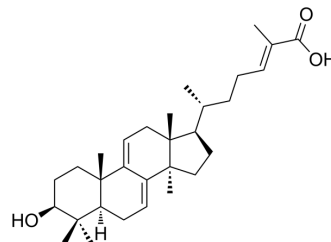


## Ganoderic acid Y

Cat. No.:	HY-125713
CAS No.:	86377-52-8
Molecular Formula:	C <sub>30</sub> H <sub>46</sub> O <sub>3</sub>
Molecular Weight:	454.68
Target:	Glucosidase; Enterovirus
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### BIOLOGICAL ACTIVITY

Description	Ganoderic acid Y is a $\alpha$ -glucosidase inhibitor with an IC <sub>50</sub> of 170 $\mu$ M for yeast $\alpha$ -glucosidase. Ganoderic acid Y inhibits enterovirus 71 (EV71) replication through blocking EV71 uncoating <sup>[1][2]</sup> .
In Vitro	Ganoderic acid Y significantly inhibits the replication of the viral RNA (vRNA) of EV71 <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Chen XQ, et al. Lanostane triterpenes from the mushroom *Ganoderma resinaceum* and their inhibitory activities against  $\alpha$ -glucosidase. *Phytochemistry*. 2018 May;149:103-115.
- [2]. Zhang W, et al. Antiviral effects of two *Ganoderma lucidum* triterpenoids against enterovirus 71 infection. *Biochem Biophys Res Commun*. 2014 Jul 4;449(3):307-12.

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

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