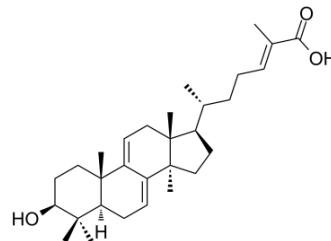


## Ganoderic acid Y

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:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

#### Description

Ganoderic acid Y is a **α-glucosidase** inhibitor with an IC<sub>50</sub> of 170 μM for yeast α-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>.

### REFERENCES

[1]. Chen XQ, et al. Lanostane triterpenes from the mushroom *Ganoderma resinaceum* and their inhibitory activities against α-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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