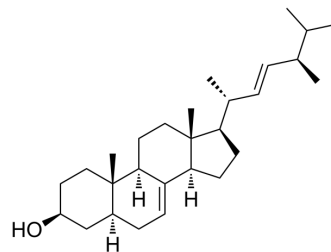


## Stellasterol

Cat. No.:	HY-N1218
CAS No.:	2465-11-4
Molecular Formula:	C <sub>28</sub> H <sub>46</sub> O
Molecular Weight:	398.66
Target:	Glucosidase; Bcl-2 Family
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Stellasterol is a natural product. Stellasterol has high affinity towards Bcl-2 protein (K<sub>i</sub>: 118.05 nM). Stellasterol is a weak α-glucosidase inhibitor<sup>[1][2]</sup>.

### REFERENCES

- [1]. Lau MF, et al. In vitro and in silico anticancer evaluation of a medicinal mushroom, *Ganoderma neo-japonicum* Imazeki, against human colonic carcinoma cells. *Biotechnol Appl Biochem*. 2021 Aug;68(4):902-917.
- [2]. Krisyanti Budipramana, et al. An Integrated In Silico and In Vitro Assays of Dipeptidyl Peptidase-4 and α-Glucosidase Inhibition by Stellasterol from *Ganoderma austral*. *Sci. Pharm*. 2019, 87(3). 21.

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

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