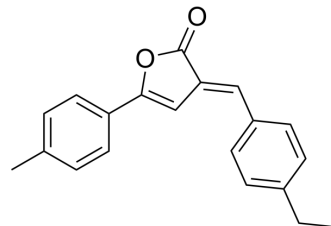


## Chitinase-IN-6

Cat. No.:	HY-163352
Molecular Formula:	C <sub>20</sub> H <sub>18</sub> O <sub>2</sub>
Molecular Weight:	290.36
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Chitinase-IN-6 (Compound 4h) is a potent dual-Chitinase inhibitor, with  $K_i$  values of 1.82 and 2.00  $\mu\text{M}$  against OfChtI and OfChi-h, respectively. Chitinase-IN-6 exhibits certain growth inhibition effects against *Ostrinia furnacalis*. Chitinase-IN-6 is a potential novel insecticide candidate friendly to nontarget organisms<sup>[1]</sup>.

### REFERENCES

[1]. Zou R, et al. Novel Butenolide Derivatives as Dual-Chitinase Inhibitors to Arrest the Growth and Development of the Asian Corn Borer. *J Agric Food Chem.* 2024 Feb 20.

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

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