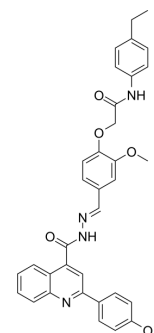


## α-Glucosidase-IN-46

Cat. No.:	HY-157488
Molecular Formula:	C <sub>35</sub> H <sub>32</sub> N <sub>4</sub> O <sub>5</sub>
Molecular Weight:	588.65
Target:	Glucosidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

α-Glucosidase-IN-46 is a potent α-glucosidase inhibitor with an IC<sub>50</sub> of 26.0 μM. α-Glucosidase-IN-46 can be used for the research of type 2 diabetes<sup>[1]</sup>.

### REFERENCES

[1]. Hamedifar H, et al. Aryl-quinoline-4-carbonyl hydrazone bearing different 2-methoxyphenoxyacetamides as potent α-glucosidase inhibitors; molecular dynamics, kinetic and structure-activity relationship studies. Sci Rep. 2024 Jan 3;14(1):388.

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

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