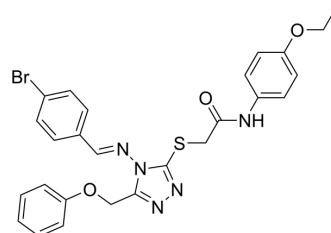


## α-Glucosidase-IN-36

Cat. No.:	HY-149579
Molecular Formula:	C <sub>26</sub> H <sub>24</sub> BrN <sub>5</sub> O <sub>3</sub> S
Molecular Weight:	566.47
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-36 (compound 5g) is a potent α-glucosidase inhibitor, with an IC<sub>50</sub> of 6.69 ± 0.18 μM, K<sub>i</sub> and K<sub>iS</sub> of 1.65 μM and 4.54 μM, respectively. α-Glucosidase-IN-36 may inhibit α-glucosidase activity by binding with its active site as well as changing the secondary structure of α-glucosidase. α-Glucosidase-IN-36 can be used for type 2 diabetes mellitus (T2DM) research<sup>[1]</sup>.

### REFERENCES

[1]. Luo S, et al. Design, synthesis, biological evaluation, and docking study of new triazole-phenylacetamide derivatives as α-glucosidase inhibitors. *Bioorg Chem.* 2023 Sep 6;141:106844.

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

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