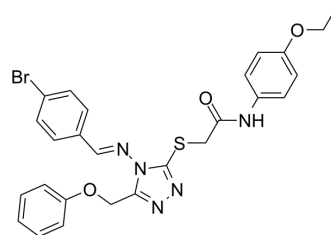


α -Glucosidase-IN-36

Cat. No.:	HY-149579
CAS No.:	3025234-94-7
Molecular Formula:	C ₂₆ H ₂₄ BrN ₅ O ₃ 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 IC₅₀ of 6.69 ± 0.18 μ M, K_i and K_{iS} of 1.65 μ M and 4.54 μ M, 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^[1].

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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