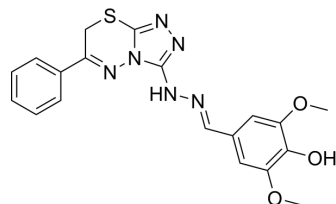


α -Glucosidase-IN-41

Cat. No.:	HY-149668
Molecular Formula:	C ₁₉ H ₁₈ N ₆ O ₃ S
Molecular Weight:	410.45
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-41 (compound 5o) is a potent α -glucosidase inhibitor. α -Glucosidase-IN-41 can arise the changed secondary structure of α -Glu to hinder enzyme catalytic activity. α -Glucosidase-IN-41 can be used for diabetes mellitus research ^[1] .
In Vivo	α -Glucosidase-IN-41 (compound 5o) (20 mg/kg) can significantly decrease by 24.45 % postprandial blood glucose in mice vs. the control ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Feng Q, et al. Synthesis, biological evaluation and action mechanism of 7H-[1,2,4] triazolo [3,4-b] [1,3,4] thiadiazine-phenylhydrazone derivatives as α -glucosidase inhibitors. Eur J Med Chem. 2023 Nov 3;262:115920.

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

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