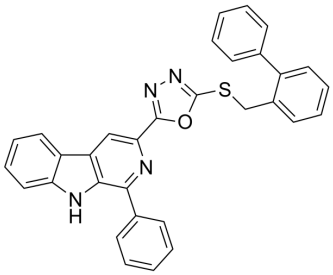
α-Glucosidase-IN-32

Cat. No.:	HY-156078
Molecular Formula:	$C_{32}H_{22}N_4OS$
Molecular Weight:	510.61
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-32 (compound f26) is a reversible, noncompetitive and orally active α-glucosidase inhibitor with an IC_{50} value of 3.07 μM. α-Glucosidase-IN-32 complex with α-glucosidase through hydrogen bonds and hydrophobic interactions, led to changes in the conformation and secondary strictures of α-glucosidase and further the inhibition of the enzymatic activity. α-Glucosidase-IN-32 can be used for diabetic disease research[1].
IC_{50} & Target	α-glucosidase

REFERENCES

[1]. Xiao D, et al. Identification of 1,3,4-oxadiazolyl-containing β-carboline derivatives as novel α-glucosidase inhibitors with antidiabetic activity. Eur J Med Chem. 2023 Sep 7;261:115795.

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