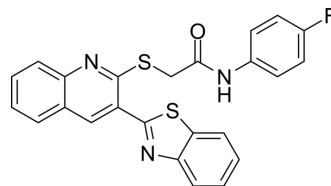


α -Glucosidase-IN-47

Cat. No.:	HY-157489
Molecular Formula:	C ₂₄ H ₁₆ FN ₃ OS ₂
Molecular Weight:	445.53
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-47 (compound 8H) is a non-competitive α -glucosidase (α -glucosidase) inhibitor with IC ₅₀ value is 38.2 μ M and K _i value is 38.2 μ M. α -Glucosidase-IN-47 can be used in diabetes research. ^[1]
IC ₅₀ & Target	IC ₅₀ : 38.2 μ M (α -Glucosidase) ^[1] . K _i : 38.2 μ M (α -Glucosidase) ^[1] .

REFERENCES

[1]. Ghomi MK, et al. Synthesis, in vitro potency of inhibition, enzyme kinetics and in silico studies of quinoline-based α -glucosidase inhibitors. Sci Rep. 2024 Jan 4;14(1):501.

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

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