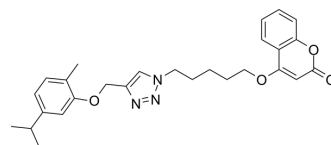


α -Glucosidase-IN-43

Cat. No.:	HY-163005
CAS No.:	3018963-27-1
Molecular Formula:	C ₂₇ H ₃₁ N ₃ O ₄
Molecular Weight:	461.55
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-43 (compound AS14) is an α -glucosidase inhibitor (IC ₅₀ : 4.32 μ M) with acute hypoglycemic activity. α -Glucosidase-IN-43 exhibits safety and in vivo efficacy, is nontoxic to normal mouse fibroblasts, and is able to rescue streptozotocin (HY-13753)-induced diabetic rats. α -Glucosidase-IN-43 can be used to study postprandial hyperglycemia in diabetic patients ^[1] .
IC ₅₀ & Target	IC ₅₀ : 4.32 μ M (α -Glucosidase) ^[1]

REFERENCES

[1]. Singh A et al. Discovery of triazole tethered thymol/carvacrol-coumarin hybrids as new class of α -glucosidase inhibitors with potent in vivo antihyperglycemic activities. Eur J Med Chem. 2023 Nov 15;263:115948.

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

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