



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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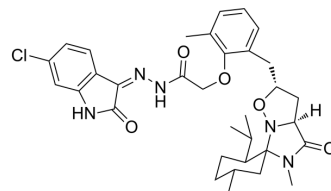
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α -Amylase/ α -Glucosidase-IN-10

Cat. No.:	HY-162373
Molecular Formula:	C ₃₃ H ₄₀ ClN ₅ O ₅
Molecular Weight:	622.15
Target:	Amylases; Glucosidase; P-glycoprotein
Pathway:	Metabolic Enzyme/Protease; Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	α -Amylase/ α -Glucosidase-IN-10 (compound 5d) is an α -amylase and α -glucosidase inhibitor (IC ₅₀ : 30.39 μ M and 65.1 μ M) with potential diabetes inhibitory effects. α -Amylase/ α -Glucosidase-IN-10 exhibits high gastrointestinal (GI) absorption in ADMET (Absorption, Distribution, Metabolism, Excretion and Toxicity) prediction. While α -Amylase/ α -Glucosidase-IN-10 acts as a substrate for P-gp and does not cross the blood-brain barrier (BBB), there may be a risk of central nervous system side effects ^[1] .
IC ₅₀ & Target	IC ₅₀ : 30.39 μ M (α -Amylase); 65.1 μ M (α -Glucosidase)[1]

REFERENCES

[1]. Ghannay S, et al. Identification of dual-target isoxazolidine-isatin hybrids with antidiabetic potential: Design, synthesis, in vitro and multiscale molecular modeling approaches. Heliyon. 2024 Feb 11;10(4):e25911.

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

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