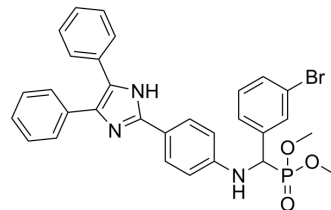


α -Amylase/ α -Glucosidase-IN-5

Cat. No.:	HY-149557
Molecular Formula:	C ₃₀ H ₂₇ BrN ₃ O ₃ P
Molecular Weight:	588.43
Target:	Glucosidase; Amylases
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	α -Amylase/ α -Glucosidase-IN-5 (compound 4l) is a dual inhibitor of α -glucosidase (Glucosidase) and α -amylase (Amylases) with IC ₅₀ s of 5.96 μ M and 1.62 μ M, respectively. α -Amylase/ α -Glucosidase-IN-4 has potential antidiabetic activity ^[1] .
IC ₅₀ & Target	IC ₅₀ : 5.96 μ M (α -Glucosidase), 1.62 μ M (α -Amylases) ^[1]

REFERENCES

[1]. Zareei S, et al. Discovery of novel 4,5-diphenyl-imidazol- α -aminophosphonate hybrids as promising anti-diabetic agents: Design, synthesis, in vitro, and in silico enzymatic studies. *Bioorg Chem.* 2023 Sep 9;141:106846..

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA