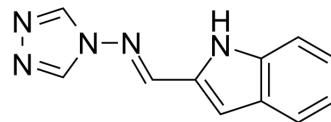


α -Amylase/ α -Glucosidase-IN-1

Cat. No.:	HY-147711
CAS No.:	329783-03-1
Molecular Formula:	C ₁₁ H ₉ N ₅
Molecular Weight:	211.22
Target:	Glucosidase
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-1 (compound 33) is a potent α -amylase/ α -glucosidase inhibitor with IC ₅₀ s of 2.01, 2.09 μ M for α -amylase and α -glucosidase, respectively. Kinetic studies predict that α -Amylase/ α -Glucosidase-IN-1 has the potential of anti hyperglycemia ^[1] .
IC ₅₀ & Target	EC ₅₀ : 2.01 μ M (α -amylase); 2.09 μ M (α -glucosidase) ^[1]

REFERENCES

[1]. Yeye EO, et al. Syntheses, in vitro α -amylase and α -glucosidase dual inhibitory activities of 4-amino-1,2,4-triazole derivatives their molecular docking and kinetic studies. Bioorg Med Chem. 2020 Jun 1;28(11):115467.

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