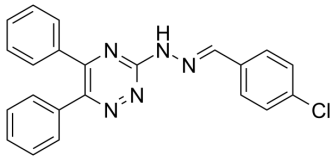
α-Amylase/α-Glucosidase-IN-2

Cat. No.:	HY-146225
CAS No.:	2446063-14-3
Molecular Formula:	$C_{22}H_{16}ClN_5$
Molecular Weight:	385.85
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-2 (compound 5) is a potent α-amylase and α-glucosidase dual inhibitor with IC_{50} values of 13.02, 13.09 μM for α-amylase and α-glucosidase, respectively. α-Amylase/α-Glucosidase-IN-2 has the potential for the research of diabetic complications[1].
IC_{50} & Target	IC_{50}: 13.02 μM (α-amylase); 13.09 μM (α-glucosidase)[1].

REFERENCES

[1]. Shamim S, et al. Synthesis and screening of (E)-3-(2-benzylidenehydrazinyl)-5,6-diphenyl-1,2,4-triazine analogs as novel dual inhibitors of α-amylase and α-glucosidase. Bioorg Chem. 2020 Aug;101:103979.

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