## **Product** Data Sheet

## $\alpha$ -Amylase/ $\alpha$ -Glucosidase-IN-4

Cat. No.: HY-155241 Molecular Formula:  $C_{32}H_{26}N_6O_{10}$  Molecular Weight: 654.58

Target: Glucosidase; Amylases

Pathway: Metabolic Enzyme/Protease

Storage: Please store the product under the recommended conditions in the Certificate of

Analysis.

## **BIOLOGICAL ACTIVITY**

Description	$\alpha$ -Amylase/ $\alpha$ -Glucosidase-IN-4 (compound 5) is a dual inhibitor of $\alpha$ -glucosidase (Glucosidase) and $\alpha$ -amylase (Amylases) with IC <sub>50</sub> s of 0.15 μM and 1.10 μM, respectively. $\alpha$ -Amylase/ $\alpha$ -Glucosidase-IN-4 has potential antidiabetic activity <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC50: 0.15 $\mu$ M ( $\alpha$ -Glucosidase), 1.10 $\mu$ M ( $\alpha$ -Amylases) $^{[1]}$

## **REFERENCES**

[1]. Saleem F, et al. Multicomponent diastereoselective synthesis of tetrahydropyridines as  $\alpha$ -amylase and  $\alpha$ -glucosidase enzymes inhibitors. Future Med Chem. 2023 Aug 31...

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