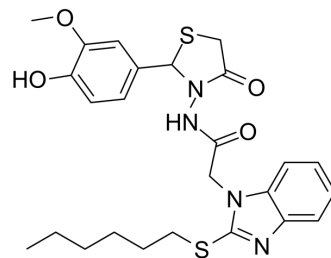


## $\alpha$ -Glucosidase-IN-12

Cat. No.:	HY-150959
CAS No.:	2816072-24-7
Molecular Formula:	C <sub>25</sub> H <sub>30</sub> N <sub>4</sub> O <sub>4</sub> S <sub>2</sub>
Molecular Weight:	514.66
Target:	Glucosidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	$\alpha$ -Glucosidase-IN-12 (compound 14) is a potent $\alpha$ -glucosidase inhibitor, with an IC <sub>50</sub> of 10.20 $\mu$ M <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 10.20 $\pm$ 0.12 $\mu$ M ( $\alpha$ -glucosidase) <sup>[1]</sup>

### REFERENCES

[1]. Sher Ali Khan, et al. Mercaptobenzimidazole-Based 1,3-Thiazolidin-4-ones as Antidiabetic Agents: Synthesis, In Vitro  $\alpha$ -Glucosidase Inhibition Activity, and Molecular Docking Studies. ACS Omega. 2022.

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

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