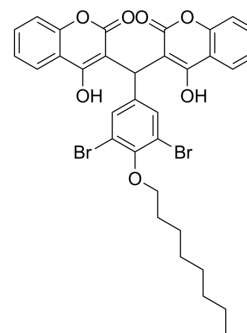


## $\alpha$ -Glucosidase-IN-29

Cat. No.:	HY-149342
CAS No.:	2949513-11-3
Molecular Formula:	C <sub>33</sub> H <sub>30</sub> Br <sub>2</sub> O <sub>7</sub>
Molecular Weight:	698.4
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-29 (compound 19) is a $\alpha$ -glucosidases inhibitor (IC <sub>50</sub> =1.21 $\mu$ M, Ki=1.80 $\mu$ M). $\alpha$ -Glucosidase-IN-29 can be used for research of diabetes and related diseases <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 1.21 $\mu$ M ( $\alpha$ -Glucosidase); Ki: 1.80 $\mu$ M ( $\alpha$ -Glucosidase) <sup>[1]</sup>

### REFERENCES

[1]. Phan TH, et al. Designing Potent  $\alpha$ -Glucosidase Inhibitors: A Synthesis and QSAR Modeling Approach for Biscoumarin Derivatives. ACS Omega. 2023 Jul 11;8(29):26340-26350.

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

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