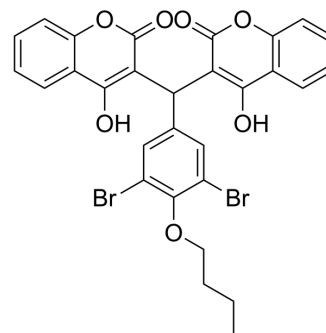


α -Glucosidase-IN-28

Cat. No.:	HY-149341
CAS No.:	2949513-10-2
Molecular Formula:	C ₂₉ H ₂₂ Br ₂ O ₇
Molecular Weight:	642.29
Target:	Glucosidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

α -Glucosidase-IN-28 (Compound 18) is a α -Glucosidase inhibitor (IC₅₀: 0.62 μ M, K_i: 3.93 μ M). α -Glucosidase-IN-28 binds to α -glucosidase at the original binding site (OBS), and forms multiple hydrophobic interactions with nearby amino acids. α -Glucosidase-IN-28 can be used for research of diabetes and related diseases^[1].

REFERENCES

[1]. Phan TH, et al. Designing Potent α -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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