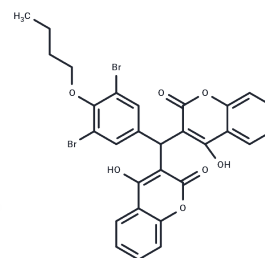


α -Glucosidase-IN-28

Chemical Properties

CAS No. :	2949513-10-2
Formula:	C ₂₉ H ₂₂ Br ₂ O ₇
Molecular Weight:	642.29
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	α -Glucosidase-IN-28 (Compound 18) is an α -glucosidase inhibitor with an IC ₅₀ of 0.62 μ M and K _i of 3.93 μ M, interacting with the enzyme's original binding site (OBS) and forming multiple hydrophobic interactions with adjacent amino acids. This compound is used in diabetes and related diseases research [1].
Targets(IC ₅₀)	Glucosidase, glycosidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5569 mL	7.7846 mL	15.5693 mL
5 mM	0.3114 mL	1.5569 mL	3.1139 mL
10 mM	0.1557 mL	0.7785 mL	1.5569 mL
50 mM	0.0311 mL	0.1557 mL	0.3114 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481