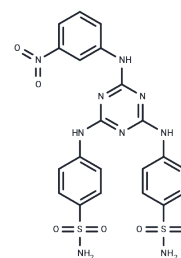


α -Glycosidase-IN-1

Chemical Properties

CAS No. :	2428389-66-4
Formula:	C ₂₁ H ₁₉ N ₉ O ₆ S ₂
Molecular Weight:	557.56
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 -Glycosidase-IN-1 (compound MZ7) is a potent inhibitor of α -GLY (α -glycosidase) with an IC ₅₀ of 44.72 nM and a K _i of 44.74 nM. It also inhibits human carbonic anhydrase isozymes I (hCA I) and II (hCA II) with IC ₅₀ values of 104.87 nM and 100.04 nM, respectively, and acetylcholine esterase (AChE) with an IC ₅₀ value of 654.87 nM. α -Glycosidase-IN-1 is applicable in the study of diabetes, Alzheimer's disease, ulcers, heart failure, epilepsy, and various other diseases.
Targets(IC50)	Others,Carbonic Anhydrase,Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7935 mL	8.9676 mL	17.9353 mL
5 mM	0.3587 mL	1.7935 mL	3.5871 mL
10 mM	0.1794 mL	0.8968 mL	1.7935 mL
50 mM	0.0359 mL	0.1794 mL	0.3587 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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