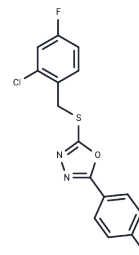


α -Amylase/ α -Glucosidase-IN-7

Chemical Properties

CAS No. :	1038094-94-8
Formula:	C ₁₅ H ₉ Cl ₂ FN ₂ O ₂ S
Molecular Weight:	355.21
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 -Amylase/ α -Glucosidase-IN-7 (Compound 3f) serves as a competitive inhibitor for the enzymes α -glucosidase and α -amylase, exhibiting IC ₅₀ values of 18.52 μ M and 20.25 μ M, respectively. Additionally, it effectively inhibits AChE and BChE, with IC ₅₀ values of 9.25 μ M and 10.06 μ M, respectively. This compound is useful in research related to diabetes and Alzheimer's [1].
Targets(IC50)	Glucosidase,Amylase,Cholinesterase (ChE),glycosidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8152 mL	14.0762 mL	28.1524 mL
5 mM	0.563 mL	2.8152 mL	5.6305 mL
10 mM	0.2815 mL	1.4076 mL	2.8152 mL
50 mM	0.0563 mL	0.2815 mL	0.563 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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