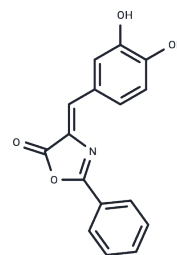


α -Amylase-IN-12

Chemical Properties

CAS No. :	1799667-33-6
Formula:	C ₁₆ H ₁₁ NO ₄
Molecular Weight:	281.263
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-IN-12 (Compound 5e) is an α -amylase inhibitor with an IC ₅₀ of 0.15 mM, functioning through a mixed inhibition mode. It exhibits an IC ₅₀ of 9.40 mM against α -glucosidase. This compound enhances glucose uptake in yeast cells and demonstrates significant anti-glycation activity at high concentrations. α -Amylase-IN-12 is applicable for diabetes research.
Targets(IC50)	Amylase, glycosidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5554 mL	17.7771 mL	35.5543 mL
5 mM	0.7111 mL	3.5554 mL	7.1109 mL
10 mM	0.3555 mL	1.7777 mL	3.5554 mL
50 mM	0.0711 mL	0.3555 mL	0.7111 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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