

α -Amylase/ α -Glucosidase-IN-18

Chemical Properties

CAS No. :

Formula: C₂₉H₂₆N₆O₂S

Molecular Weight: 522.62

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-18 (Compound 9g) is an inhibitor of α -amylase and α -glucosidase, with IC ₅₀ values of 49.17 nM and 10.71 nM, respectively. It is suitable for research related to type 2 diabetes.
Targets(IC ₅₀)	Amylase, glycosidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9134 mL	9.5672 mL	19.1344 mL
5 mM	0.3827 mL	1.9134 mL	3.8269 mL
10 mM	0.1913 mL	0.9567 mL	1.9134 mL
50 mM	0.0383 mL	0.1913 mL	0.3827 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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