

α -Amylase/ α -Glucosidase-IN-5

Chemical Properties

CAS No. :

Formula: C₃₀H₂₇BrN₃O₃P

Molecular Weight: 588.43

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-5 (compound 4l) functions as a dual inhibitor, effectively inhibiting both α -glucosidase (Glucosidase) and α -amylase (Amylases) with IC ₅₀ values of 5.96 μ M and 1.62 μ M, respectively, exhibiting potential for antidiabetic activity [1].
Targets(IC ₅₀)	Glucosidase,Amylase,glycosidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6994 mL	8.4972 mL	16.9944 mL
5 mM	0.3399 mL	1.6994 mL	3.3989 mL
10 mM	0.1699 mL	0.8497 mL	1.6994 mL
50 mM	0.034 mL	0.1699 mL	0.3399 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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