

α -Amylase/ α -Glucosidase-IN-4

Chemical Properties

CAS No. :

Formula: C32H26N6O10

Molecular Weight: 654.58

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-4 (compound 5), a dual inhibitor targeting α -amylase (Amylases) and α -glucosidase (Glucosidase), exhibits potent inhibition with IC50 values of 1.10 μ M and 0.15 μ M respectively, and is noted for its potential antidiabetic activity [1]. |
| Targets(IC50) | Glucosidase,Amylase,glycosidase |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 1.5277 mL | 7.6385 mL | 15.277 mL |
| 5 mM | 0.3055 mL | 1.5277 mL | 3.0554 mL |
| 10 mM | 0.1528 mL | 0.7638 mL | 1.5277 mL |
| 50 mM | 0.0306 mL | 0.1528 mL | 0.3055 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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