

α -Amylase/ α -Glucosidase-IN-17

Chemical Properties

CAS No. :

Formula: C₁₉H₁₈FNO

Molecular Weight: 295.35

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-17 (Compound 3) is an inhibitor of α -amylase and α -glucosidase, with IC ₅₀ values of 14.61 μ M and 25.38 μ M, respectively. It exhibits some inhibitory activity against A549 cancer cells and possesses both antitumor and antidiabetic properties.
Targets(IC ₅₀)	Amylase, glycosidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3858 mL	16.9291 mL	33.8581 mL
5 mM	0.6772 mL	3.3858 mL	6.7716 mL
10 mM	0.3386 mL	1.6929 mL	3.3858 mL
50 mM	0.0677 mL	0.3386 mL	0.6772 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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481