

$\alpha$ -Amylase/ $\alpha$ -Glucosidase-IN-3

## Chemical Properties

CAS No. :

Formula: C<sub>23</sub>H<sub>14</sub>Cl<sub>4</sub>N<sub>6</sub>O<sub>2</sub>S

Molecular Weight: 580.27

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	$\alpha$ -Amylase/ $\alpha$ -Glucosidase-IN-3 (Compound 17) is a dual inhibitor of $\alpha$ -Amylase and $\alpha$ -Glucosidase, with IC <sub>50</sub> values of 0.70 $\mu$ M and 1.10 $\mu$ M, respectively, applicable for type-II diabetes mellitus research [1].
Targets(IC <sub>50</sub> )	Glucosidase,Amylase,glycosidase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7233 mL	8.6167 mL	17.2334 mL
5 mM	0.3447 mL	1.7233 mL	3.4467 mL
10 mM	0.1723 mL	0.8617 mL	1.7233 mL
50 mM	0.0345 mL	0.1723 mL	0.3447 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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