

$\alpha$ -Glucosidase-IN-77

## Chemical Properties

CAS No. :

Formula: C<sub>25</sub>H<sub>16</sub>F<sub>3</sub>N<sub>5</sub>O<sub>5</sub>

Molecular Weight: 499.46

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	$\alpha$ -Glucosidase-IN-77 (Compound H7) is a non-competitive $\alpha$ -glucosidase inhibitor with an IC <sub>50</sub> of 1.25 $\mu$ M. It reduces blood glucose levels, improves glucose tolerance, regulates gut microbiota, and exhibits hepatoprotective effects in a mouse model of type 2 diabetes.
Targets(IC <sub>50</sub> )	glycosidase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0022 mL	10.0108 mL	20.0216 mL
5 mM	0.4004 mL	2.0022 mL	4.0043 mL
10 mM	0.2002 mL	1.0011 mL	2.0022 mL
50 mM	0.040 mL	0.2002 mL	0.4004 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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