

$\alpha$ -Glucosidase-IN-43

## Chemical Properties

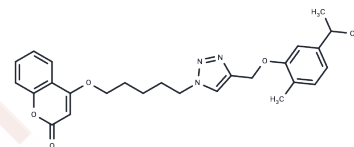
CAS No. : 3018963-27-1

Formula: C<sub>27</sub>H<sub>31</sub>N<sub>3</sub>O<sub>4</sub>

Molecular Weight: 461.55

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-43 (compound AS14) is an $\alpha$ -glucosidase inhibitor with an IC <sub>50</sub> of 4.32 $\mu$ M, demonstrating acute blood-glucose-lowering properties. It is safe and effective in vivo, showing no toxicity to normal fibroblasts in mice and can ameliorate diabetes induced by streptozotocin in rats. $\alpha$ -Glucosidase-IN-43 is applicable for research on postprandial hyperglycemia in diabetic patients.
Targets(IC50)	glycosidase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1666 mL	10.8331 mL	21.6661 mL
5 mM	0.4333 mL	2.1666 mL	4.3332 mL
10 mM	0.2167 mL	1.0833 mL	2.1666 mL
50 mM	0.0433 mL	0.2167 mL	0.4333 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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