

DNJ-20

## Chemical Properties

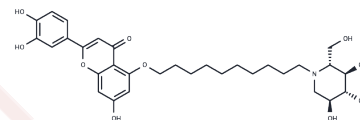
CAS No. : 3081926-49-7

Formula: C<sub>31</sub>H<sub>41</sub>N<sub>2</sub>O<sub>10</sub>

Molecular Weight: 587.658

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	DNJ-20 is an $\alpha$ -glucosidase inhibitor with an IC <sub>50</sub> of 55.3 $\mu$ g/mL. It exhibits broad-spectrum activity against SARS-CoV-2. By interfering with the endoplasmic reticulum-associated glycoprotein folding process (ERQC), DNJ-20 hinders the proper processing of viral glycoproteins, thus blocking the formation and infection of viral particles. It is effective against several SARS-CoV-2 variants, as well as HCoV-229E and HCoV-OC43, with IC <sub>50</sub> values reaching up to 1.49 $\mu$ M. DNJ-20 can be utilized for pan-coronavirus research.
Targets(IC <sub>50</sub> )	glycosidase,SARS-CoV

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7017 mL	8.5083 mL	17.0166 mL
5 mM	0.3403 mL	1.7017 mL	3.4033 mL
10 mM	0.1702 mL	0.8508 mL	1.7017 mL
50 mM	0.034 mL	0.1702 mL	0.3403 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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