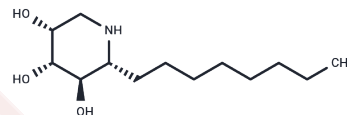


## Glucocerebrosidase-IN-1

## Chemical Properties

CAS No. :	2279945-76-3
Formula:	C13H27NO3
Molecular Weight:	245.36
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	Glucocerebrosidase-IN-1 (compound 11a) is a potent and selective GCase (glucocerebrosidase) inhibitor, with an IC50 of 29.3 $\mu$ M and a Ki of 18.5 $\mu$ M. Due to GCase involvement in pathological disorders consequent to enzyme deficiency, Glucocerebrosidase-IN-1 can be used for research of Gaucher disease (GD) and Parkinson's disease (PD)[1].
Targets(IC50)	Others,Glucosidase,glycosidase
In vitro	Glucocerebrosidase-IN-1 (compound 11a) elevates GCase activity by 1.8 times in fibroblasts with the homozygous L444P mutation [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0756 mL	20.3782 mL	40.7564 mL
5 mM	0.8151 mL	4.0756 mL	8.1513 mL
10 mM	0.4076 mL	2.0378 mL	4.0756 mL
50 mM	0.0815 mL	0.4076 mL	0.8151 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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