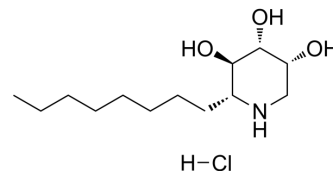


## Glucocerebrosidase-IN-1 hydrochloride

Cat. No.:	HY-147976A
CAS No.:	2279945-77-4
Molecular Formula:	C <sub>13</sub> H <sub>28</sub> ClNO <sub>3</sub>
Molecular Weight:	281.82
Target:	Glucosidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Glucocerebrosidase-IN-1 (compound 11a) hydrochloride is a potent and selective GCCase (glucocerebrosidase) inhibitor, with an IC<sub>50</sub> of 29.3 μM and a K<sub>i</sub> of 18.5 μM. Glucocerebrosidase-IN-1 hydrochloride can be used for the research of Gaucher disease (GD) and Parkinson's disease (PD)<sup>[1]</sup>.

### REFERENCES

[1]. Clemente F, et al. Glucocerebrosidase (GCCase) activity modulation by 2-alkyl trihydroxypiperidines: Inhibition and pharmacological chaperoning. *Bioorg Chem.* 2020 May;98:103740.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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