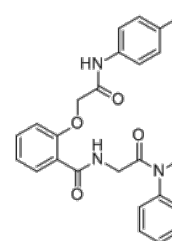


Product Name : NCGC607
Cat. No. : PC-38530
CAS No. : 1462267-07-7
Molecular Formula : C₂₄H₂₂IN₃O₄
Molecular Weight : 543.3
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

NCGC00241607 (NCGC607) is a small-molecule noninhibitory chaperone of glucocerebrosidase (GCase), successfully chaperoned the mutant enzyme, restored GCase activity and protein levels, and reduced glycolipid storage in neurons. NCGC607 (3 μM) significantly enhanced GCase activity and increased GCase levels in Gaucher macrophages. Treatment of Gaucher iDA neurons with NCGC607 increased GCase activity, enhanced translocation of mutant GCase to the lysosome, and reduced substrate levels. NCGC607 (3 μM) reversed α-Syn accumulation in GD-PD iDA neurons.

References

Elma Aflaki, et al. J Neurosci. 2016 Jul 13;36(28):7441-52.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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