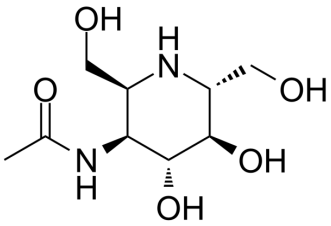
α-HNJNAc

Cat. No.:	HY-145678
CAS No.:	1417906-42-3
Molecular Formula:	$C_9H_{18}N_2O_5$
Molecular Weight:	234.25
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	α-HNJNAc is a potent, competitive hexosaminidases inhibitor without interfering with other glycosidases[1].
In Vitro	α-HNJNAc (10, 100μM) shows no effect on GM00737 and GM01426 cell lines, but some effect on GM02931 cell line with a significant 1.8 fold activity increase. a-HNJNAc (100μM; 3 days) has no toxicity on human HL60 cell proliferation[1]. NAGLU is inhibited more efficiently by a-HNJNAc (67 μM) than by the uncorrectly configured b-HNJNAc (374 μM)[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sha Zhu, et al. Iminosugar C-Glycosides Work as Pharmacological Chaperones of NAGLU, a Glycosidase Involved in MPS IIIB Rare Disease. Chemistry. 2021 Aug 5;27(44):11291-11297.

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