

N-Acetylneuraminate lyase (CgNal)

Cat. No.:	HY-P2977
CAS No.:	9027-60-5
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

N-Acetylneuraminate lyase

BIOLOGICAL ACTIVITY

Description

N-Acetylneuraminate lyase (CgNal) (Sialic acid aldolase (CgNal)) is a class I aldolase, is often used in biochemical studies. N-Acetylneuraminate lyase (CgNal) catalyzes the reversible condensation of pyruvate with N-acetyl-d-mannosamine (ManNAc) to yield the sialic acid N-acetylneuraminic acid (Neu5Ac)^[1].

REFERENCES

[1]. Daniels AD, et al. Reaction mechanism of N-acetylneuraminic acid lyase revealed by a combination of crystallography, QM/MM simulation, and mutagenesis. ACS Chem Biol. 2014 Apr 18;9(4):1025-32.

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

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