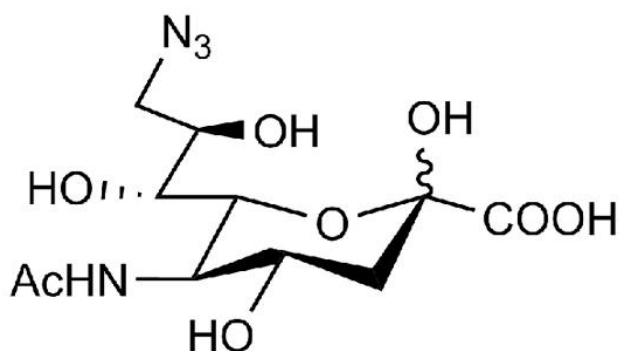




## 9AZNUE5AC

**SKU:** CCT-1534



## DESCRIPTION

Metabolic labeling of glycans with unnatural sialic acid analogues has emerged as an invaluable tool for studying sialic acid biology. It has been showed that 9-azido-9-deoxy-N-acetylneuraminic acid (9AzNeu5Ac), a Neu5Ac analogue with the substitution of 9-hydroxyl group with an azide, could be metabolized and incorporated into sialoglycans in living cells and mice. The incorporated sialic acid analogue, 9AzNeu5Ac, enable visualization the cell-surface sialoglycans and glycoproteomic profiling by click-labeling with fluorophores and affinity tags, respectively.

## SPECIFICATIONS

|                         |                                                               |
|-------------------------|---------------------------------------------------------------|
| <b>CAS Number</b>       | 76487-51-9                                                    |
| <b>Molecular Weight</b> | 334.28                                                        |
| <b>Appearance</b>       | Slightly grey amorphous solid                                 |
| <b>Chemical Formula</b> | C <sub>11</sub> H <sub>18</sub> N <sub>4</sub> O <sub>8</sub> |
| <b>Purity</b>           | ≥95% (HPLC)                                                   |
| <b>Unit Size</b>        | 5 mg, 25 mg, 100 mg                                           |
| <b>Solubility</b>       | DMSO, DMF, DCM, THF, Chloroform                               |

**For research use only. Not intended for therapeutic or diagnostic use in animals or humans.**



|                              |                     |
|------------------------------|---------------------|
| <b>Storage Instructions</b>  | -20°C.              |
| <b>Shipping Conditions</b>   | Ambient temperature |
| <b>Shipping Instructions</b> | Ambient temperature |

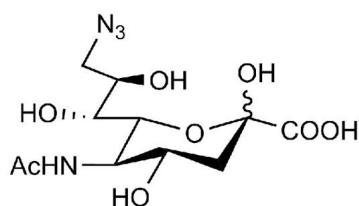
## SELECTED REFERENCES

1. Cheng, B., *et al.* (2019). 9-Azido Analogues of Three Sialic Acid Forms for Metabolic Remodeling of Cell-Surface Sialoglycans. *ACS Chem Biol.* **14(10)**, 2141-7 [[PubMed](#)]
2. Zhang, C., *et al.* (2016). In vivo metabolic labeling of sialoglycans in the mouse brain by using a liposome-assisted bioorthogonal reporter strategy. *Proc Natl Acad Sci U S A.*, **113(19)**, 5173-8. [[PubMed](#)]
3. Xie, R., *et al.* (2012). Cell-selective metabolic glycan labeling based on ligand-targeted liposomes. *J. Am. Chem. Soc.*, **134(24)**, 9914-7. [[ACSPublications](#)]

## DOCUMENTS

- [Safety Data Sheet](#)
- [Datasheet](#)

## GALLERY IMAGES



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