

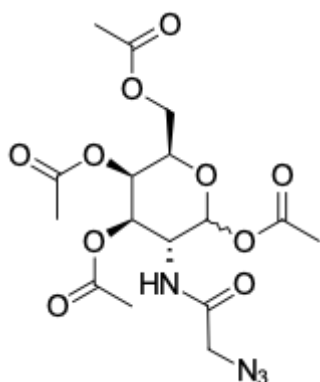
## Ac4GalNAz (N-Azidoacetylgalactosamine-tetraacetylated)

<http://www.lumiprobe.com/p/tetraacetyl-n-azidoacetylgalactosamine-ac4galnaz>

Tetraacetylated N-azidoacetylgalactosamine (Ac4GalNAz) is a synthetic monosaccharide, an analog of N-acetylgalactosamine (GalNAc), labeled with an azide group. The acetyl groups ensure efficient penetration of the compound into cells, where it is deacetylated and incorporated into the glycosylation pathway in place of the natural N-acetylgalactosamine (GalNAc).

Ac4GalNAz is used for metabolic labeling of O-glycoproteins *in vivo*, followed by visualization or affinity purification using a click reaction (e.g., [CuAAC](#) or [SPAAC](#)) with either fluorescent-labeled [alkynes/cycloalkynes](#) or [biotin-alkyne](#).

The recommended concentration for cell labeling is 25-75  $\mu\text{M}$ , and this concentration range may be a starting point for an individual experiment setup.



**Structure of Ac4GalNAz**

### General properties

Appearance: white crystals

Molecular weight: 430.37

CAS number: 653600-56-7

Molecular formula: C<sub>16</sub>H<sub>22</sub>N<sub>4</sub>O<sub>10</sub>

Solubility: DMSO, DMF, DCM, THF, Chloroform

Quality control: NMR <sup>1</sup>H and HPLC-MS (95+%)

Storage conditions: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.

Legal statement: Product is offered and sold for research purposes only. Product is not tested for safety and efficacy in food, drug, medical device, cosmetic, no express or implied authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, for humans or animals or for commercial purposes.