

## Product Datasheet

### Ac4GlcNAz (orb1734947)

<b>Catalog Number</b>	orb1734947
<b>Category</b>	Small Molecules
<b>Description</b>	The tetraacetylated N-Azidoacetyl-glucosamine (Ac 4GlcNAz) provides a non-radioactive alternative for glycoconjugate visualization. It is cell-permeable, intracellularly processed and incorporated instead of its natural monosaccharide counterpart N-Acetylglucosamine(GlcNAc). The resulting Azide-functionalized glycoconjugates can subsequently be detected via Cu(I)-catalyzed or Cu(I)-free Click Chemistry that offers the choice to introduce a Biotin group (via Azides of Biotin or DBCO-containing Biotin, respectively) for subsequent purification tasks or to introduce fluorescent group (via Azides of fluorescent dyes or DBCO-containing fluorescent dyes, respectively) for subsequent microscopic imaging. Recommended concentration for metabolic labeling: 25-75 M. This concentration range may serve as a starting point for an individual assay set-up.
<b>Form/Appearance</b>	amorphous solid; Color: off-white to grey
<b>Purity</b>	mass identification (ESI-MS)
<b>MW</b>	Theoretical MW: 430.37 g/mol; Detected MW: 430.13 g/mol
<b>Application notes</b>	Glycoconjugate synthesis monitoring by metabolic labeling.
<b>Solubility (25°C)</b>	DMSO, DMF, MeOH
<b>CAS Number</b>	98924-81-3
<b>Formula</b>	C <sub>16</sub> H <sub>22</sub> N <sub>4</sub> O <sub>10</sub>
<b>SMILES</b>	[C@H]1([C@H](C(O[C@@H]([C@H]1OC(=O)C)COC(=O)C)OC(=O)C)NC(=O)CN=[N+]=[N-])OC(=O)C
<b>Storage</b>	store at -20 °C

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**Note** For research use only

**Expiration Date** 12 months from date of receipt.

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