

Product Name	: UDP-GlcNAc Disodium Salt
Synonyms	: UDP- α -D-N-Acetylglucosamine Disodium Salt, Uridine 5'-diphospho-N-acetylglucosamine
Cat No.	: M22577
CAS Number	: 91183-98-1
Molecular Formula	: C ₁₇ H ₂₅ N ₃ Na ₂ O ₁₇ P ₂
Formula Weight	: 651.32
Chemical Name	: —
Description	UDP-GlcNAc Disodium Salt is a nucleotide sugar. It is synthesized from glucose via the hexosamine biosynthetic pathway (HBP). OGT is a nucleocytoplasmic glycosyltransferase assigned to the GT41 family in the CAZY database. Using UDP-GlcNAc Disodium Salt (UDP-GlcNAc) as the donor substrate, this enzyme modifies thousands of proteins by adding a unique N-acetylglucosamine residue onto acceptor substrates mainly confined within cytosol and nucleus.
Pathway	: Others
Target	: Other Targets
Receptor	: Others
Solubility	: —
SMILES	: [Na+].[Na+].CC(=O)N[C@@H]1[C@@H](O)[C@H](O)[C@@H](CO)O[C@@H]1OP([O-])(=O)OP([O-])(=O)OC[C@H]1O[C@@H]([C@H](O)[C@@H]1O)n1ccc(=O)[nH]c1=O
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Lefebvre T, et al. Antibodies and activity measurements for the detection of O-GlcNAc transferase and assay of its substrate, UDP-GlcNAc. *Methods Mol Biol.* 2013;1022:147-59.