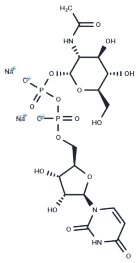
# Data Sheet (Cat.No.T19596)

TargetMol

## UDP-GlcNAc Disodium Salt

### Chemical Properties



CAS No. : 91183-98-1

Formula: C17H25N3Na2O17P2

Molecular Weight: 651.32

Storage: Store at low temperature
Powder: -20°C for 3 years
Actual storage temperature shall be subject to the COA.

### Biological Description

| | |
|---|---|
| Description | UDP-GlcNAc Disodium Salt (UDP-α-D-N-Acetylglucosamine Disodium Salt) is a nucleotide sugar synthesized from glucose through the hexosamine biosynthetic pathway (HBP). |
| Targets(IC50) | Others,Transferase |
| In vitro | 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. |

### Solubility Information

| | |
|---|---|
| Solubility | DMSO: 3.26 mg/mL (5.01 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 1.5353 mL | 7.6767 mL | 15.3534 mL |
| 5 mM | 0.3071 mL | 1.5353 mL | 3.0707 mL |
| 10 mM | 0.1535 mL | 0.7677 mL | 1.5353 mL |
| 50 mM | 0.0307 mL | 0.1535 mL | 0.3071 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.



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