

## Product Datasheet

### UDP-Glucose sodium salt (orb1221491)

|                        |                                                                                                                                                                                                                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>  | orb1221491                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>     | UDP-Glucose sodium salt is an endogenous nucleotide sugar involved in glycosyltransferase reactions in metabolism. It is an agonist of the P2Y14 receptor (EC50 = 0.35 $\mu$ M). It can also bind to and activate GPR17 inducing oligodendrocyte differentiation at a maximal concentration of 100 $\mu$ M. |
| <b>Target</b>          | P2Y14                                                                                                                                                                                                                                                                                                       |
| <b>Storage</b>         | Storage temperature: -20°C. Stability: $\geq$ 2 years                                                                                                                                                                                                                                                       |
| <b>Note</b>            | For research use only                                                                                                                                                                                                                                                                                       |
| <b>Formula</b>         | $C_{15}H_{24}N_2Na_2O_{18}P_2$                                                                                                                                                                                                                                                                              |
| <b>Purity</b>          | > 98% (HPLC)                                                                                                                                                                                                                                                                                                |
| <b>MW</b>              | 628.3                                                                                                                                                                                                                                                                                                       |
| <b>CAS Number</b>      | 28053-08-9                                                                                                                                                                                                                                                                                                  |
| <b>Expiration Date</b> | 12 months from date of receipt.                                                                                                                                                                                                                                                                             |

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