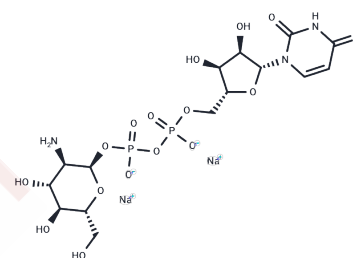


## UDP-glucosamine disodium

## Chemical Properties

CAS No. :	1355005-51-4
Formula:	C <sub>15</sub> H <sub>23</sub> N <sub>3</sub> Na <sub>2</sub> O <sub>16</sub> P <sub>2</sub>
Molecular Weight:	609.28
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	UDP-glucosamine disodium is a sugar nucleotide analogue. UDP-glucosamine disodium acts as a sugar donor in microsomal preparations of both chick-embryo cells and rat liver, yielding dolichyl monophosphate glucosamine (DoI-P-GlcN).
Targets(IC50)	Others,Endogenous Metabolite,Transferase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6413 mL	8.2064 mL	16.4128 mL
5 mM	0.3283 mL	1.6413 mL	3.2826 mL
10 mM	0.1641 mL	0.8206 mL	1.6413 mL
50 mM	0.0328 mL	0.1641 mL	0.3283 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

McDowell W, et al. UDP-glucosamine as a substrate for dolichyl monophosphate glucosamine synthesis. Biochem J. 1986 Feb 1;233(3):749-54.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481