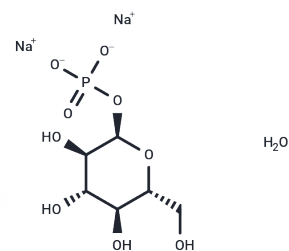


α -D-Glucose-1-phosphate disodium hydrate

Chemical Properties

CAS No. :	230954-92-4
Formula:	C ₆ H ₁₃ Na ₂ O ₁₀ P
Molecular Weight:	322.12
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	α -D-Glucose-1-phosphate disodium hydrate is a key intermediate in carbohydrate metabolism, serving as a direct precursor for glycogen synthesis and a glycosyl donor for glycosylation reactions. α -D-Glucose-1-phosphate disodium hydrate can be used in biochemical research, enzyme activity assays, analysis of glycogen metabolic pathways, and the synthesis of glycosylation reactions.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: 200.00 mg/mL (620.89 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1044 mL	15.5222 mL	31.0443 mL
5 mM	0.6209 mL	3.1044 mL	6.2089 mL
10 mM	0.3104 mL	1.5522 mL	3.1044 mL
50 mM	0.0621 mL	0.3104 mL	0.6209 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

Shin, H., et al. Formation of α -D-glucose-1-phosphate by thermophilic α -1,4-D-glucan phosphorylase. J Ind Microbiol Biotech 24, 89-93 (2000).

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