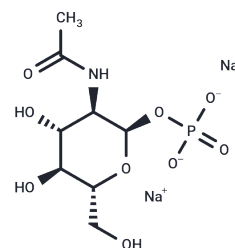


N-Acetyl- α -D-glucosamine 1-phosphate disodium

Chemical Properties

CAS No. :	31281-59-1
Formula:	C ₈ H ₁₄ NNa ₂ O ₉ P
Molecular Weight:	345.15
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	N-Acetyl- α -D-glucosamine 1-phosphate disodium is an important glycosaminoglycan precursor and belongs to the class of hetero-phosphoglycans. N-Acetyl- α -D-glucosamine 1-phosphate disodium serves as a metabolic precursor for phosphocholate and N-acetylglucosamine, which are components of bacterial cell walls. N-Acetyl- α -D-glucosamine 1-phosphate disodium can be used in research on glycobiology and cellular signaling.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: 100.00 mg/mL (289.73 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	2.8973 mL	14.4865 mL	28.9729 mL
5 mM	0.5795 mL	2.8973 mL	5.7946 mL
10 mM	0.2897 mL	1.4486 mL	2.8973 mL
50 mM	0.0579 mL	0.2897 mL	0.5795 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

Olivier Gaurat, et al. A concise synthesis of C-glycosyl phosphate and phosphonate analogues of N-acetyl- α -d-glucosamine 1-phosphate. Tetrahedron Letters. 19 February 2000,41(18):1187-1189.

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