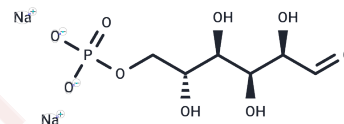


D-Glucose 6-phosphate disodium salt

Chemical Properties

CAS No. :	3671-99-6
Formula:	C ₆ H ₁₁ Na ₂ O ₉ P
Molecular Weight:	304.1
Storage:	Store at low temperature 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	D-Glucose 6-phosphate disodium salt is a compound widely present in biological systems. It is a molecule formed when glucose undergoes phosphorylation at the 6th carbon. This compound participates in various metabolic regulatory pathways within the body, including the pentose phosphate pathway and glycolysis.
Targets(IC50)	Endogenous Metabolite
In vitro	In cells, this dianion is common because most of the incoming glucose is phosphorylated in this way [1].

Solubility Information

Solubility	H ₂ O: 247.5 mg/mL (813.88 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	3.2884 mL	16.442 mL	32.8839 mL
5 mM	0.6577 mL	3.2884 mL	6.5768 mL
10 mM	0.3288 mL	1.6442 mL	3.2884 mL
50 mM	0.0658 mL	0.3288 mL	0.6577 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

Olsen BB, et al. Linked Hexokinase and Glucose-6-Phosphatase Activities Reflect Grade of Ovarian Malignancy. Mol Imaging Biol. 2018 Jul 9.

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