

D-Fructose-6-phosphate (sodium salt hydrate)

Chemical Properties

CAS No. : 918149-30-1

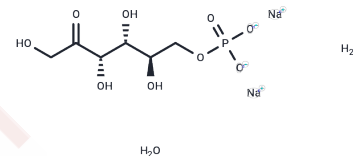
Formula: C₆H₁₅Na₂O₁₁P

Molecular Weight: 340.13

Store at low temperature

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	D-Fructose-6-phosphate (sodium salt hydrate) is a sugar intermediate in the glycolytic pathway produced by the isomerization of glucose 6-phosphate by glucose phosphate isomerase, and is used in cancer research.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 10 mg/mL (29.4 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	2.9401 mL	14.7003 mL	29.4005 mL
5 mM	0.588 mL	2.9401 mL	5.8801 mL
10 mM	0.294 mL	1.470 mL	2.9401 mL
50 mM	0.0588 mL	0.294 mL	0.588 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

Seo M, et al. Structure-based development of small molecule PFKFB3 inhibitors: a framework for potential cancer therapeutic agents targeting the Warburg effect. PLoS One. 2011;6(9):e24179.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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