

2-Deoxy-D-glucose 6-phosphate disodium

Chemical Properties

CAS No. : 33068-19-8

Formula: C₆H₁₁Na₂O₈P

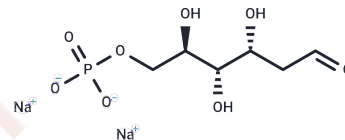
Molecular Weight: 288.1

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature

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	2-Deoxy-D-glucose 6-phosphate disodium is a glucose analog that inhibits glycolysis and inhibits the function of hexokinase and glucose-6-phosphate isomerase.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 200 mg/mL(694.20 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	3.471 mL	17.3551 mL	34.7102 mL
5 mM	0.6942 mL	3.471 mL	6.942 mL
10 mM	0.3471 mL	1.7355 mL	3.471 mL
50 mM	0.0694 mL	0.3471 mL	0.6942 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

Pajak B, et al. 2-Deoxy-d-Glucose and Its Analogs: From Diagnostic to Therapeutic Agents. Int J Mol Sci. 2019 Dec 29;21(1):234.

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