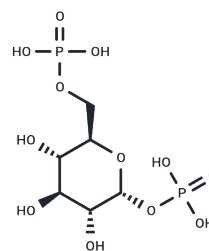


α -D-Glucose 1,6-bisphosphate

Chemical Properties

CAS No. :	10139-18-1
Formula:	C ₆ H ₁₄ O ₁₂ P ₂
Molecular Weight:	340.12
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	α -D-Glucose 1,6-bisphosphate is a diphosphorylated compound derived from α -D-glucose, playing a role in carbohydrate metabolism. It is the product of the reaction between glucose 1-phosphate or glucose 6-phosphate and glucose-1,6-bisphosphate synthase (PGM2LI), which converts 1,3-bisphosphoglycerate to 3-phosphoglycerate. Additionally, it acts as a cofactor for the bacterial enzyme phosphopentose isomerase.
Targets(IC50)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9401 mL	14.7007 mL	29.4014 mL
5 mM	0.588 mL	2.9401 mL	5.8803 mL
10 mM	0.294 mL	1.4701 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.

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