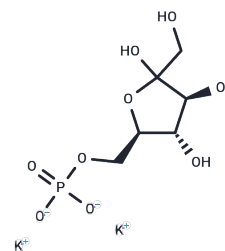


D-Fructose 6-phosphate dipotassium

Chemical Properties

CAS No. :	103213-47-4
Formula:	C ₆ H ₁₁ K ₂ O ₉ P
Molecular Weight:	336.32
Storage:	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-Fructose 6-phosphate dipotassium is an endogenous metabolite found in saliva that influences cell growth and autophagy. It is produced by the hydrolysis of Fructose-1,6-bisphosphatase (FBPase). Under the action of phosphoglucose isomerase, D-Fructose 6-phosphate dipotassium can be converted into D-glucose 6-phosphate. This compound acts as a sugar intermediate in both the glycolysis and pentose phosphate pathways. D-Fructose 6-phosphate dipotassium is used in research related to Lewy body dementia.
Targets(IC50)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9734 mL	14.8668 mL	29.7336 mL
5 mM	0.5947 mL	2.9734 mL	5.9467 mL
10 mM	0.2973 mL	1.4867 mL	2.9734 mL
50 mM	0.0595 mL	0.2973 mL	0.5947 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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