

Calcium fructose diphosphate

Chemical Properties

CAS No. :	6055-82-9
Formula:	C ₆ H ₁₀ Ca ₂ O ₁₂ P ₂
Molecular Weight:	416.24
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	Calcium fructose diphosphate (Dicalcium 1,6-di-O-phosphonato-L-tagatose) is a crucial intermediate in the glycolysis process and is closely associated with ATP synthesis. It can regulate calcium and phosphorus balance, protect myocardial tissue from ischemia/reperfusion injury, counteract the effects of alcohol, and serve as a safer phosphate source in parenteral nutrition.
Targets(IC50)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4025 mL	12.0123 mL	24.0246 mL
5 mM	0.4805 mL	2.4025 mL	4.8049 mL
10 mM	0.2402 mL	1.2012 mL	2.4025 mL
50 mM	0.048 mL	0.2402 mL	0.4805 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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