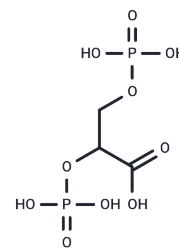


2,3-Diphosphoglyceric acid

Chemical Properties

CAS No. :	138-81-8
Formula:	C ₃ H ₈ O ₁₀ P ₂
Molecular Weight:	266.04
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	2,3-Diphosphoglyceric acid (2,3-DPG), an intermediate of the glycolytic pathway, allosterically binds to deoxygenated hemoglobin, stabilizing it and facilitating oxygen release at tissue sites. This binding decreases hemoglobin's oxygen affinity, promoting oxygen delivery to tissues [1] [2].
Targets(IC50)	Others,Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7588 mL	18.7942 mL	37.5883 mL
5 mM	0.7518 mL	3.7588 mL	7.5177 mL
10 mM	0.3759 mL	1.8794 mL	3.7588 mL
50 mM	0.0752 mL	0.3759 mL	0.7518 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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