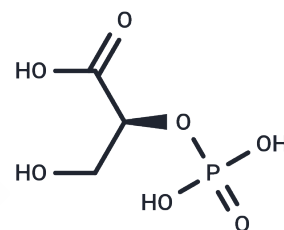


L-2-Phosphoglyceric acid

Chemical Properties

CAS No. : 23295-92-3
 Formula: C₃H₇O₇P
 Molecular Weight: 186.06
 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	L-2-Phosphoglyceric acid (L-2-Phosphoglyceric acid disodium salt) is a glyceric acid which serves as the substrate in the ninth step of glycolysis. It is catalyzed by enolase into phosphoenolpyruvate (PEP), the penultimate step in the conversion of glucose to pyruvate.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 1.87 mg/mL (10.05 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	5.3746 mL	26.8731 mL	53.7461 mL
5 mM	1.0749 mL	5.3746 mL	10.7492 mL
10 mM	0.5375 mL	2.6873 mL	5.3746 mL
50 mM	0.1075 mL	0.5375 mL	1.0749 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

Reed GH, et al. Structural and mechanistic studies of enolase. Curr Opin Struct Biol. 1996 Dec;6(6):736-43.

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