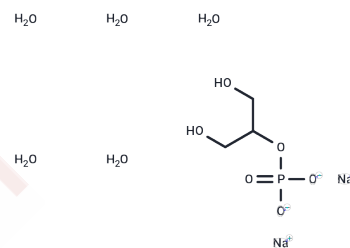


β-Glycerophosphate disodium salt pentahydrate

Chemical Properties

CAS No. :	13408-09-8
Formula:	C3H7O6P.1:5H2O.1:2Na
Molecular Weight:	306.11
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	β-Glycerophosphate disodium salt pentahydrate is a protein phosphatase inhibitor.
Targets(IC50)	ERK,Endogenous Metabolite,Phosphatase

Solubility Information

Solubility	H2O: 30.6 mg/mL (99.96 mM),Sonication is recommended. DMSO: 1.02 mg/mL (3.33 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	3.2668 mL	16.334 mL	32.668 mL
5 mM	0.6534 mL	3.2668 mL	6.5336 mL
10 mM	0.3267 mL	1.6334 mL	3.2668 mL
50 mM	0.0653 mL	0.3267 mL	0.6534 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

- Belfield A , Goldberg D M . Inhibition of the Nucleotidase Effect of Alkaline Phosphatase by β-Glycerophosphate[J]. Nature, 1968, 219(5149):73-75.
- Chung CH, Golub EE, Forbes E,et al.Mechanism of action on β-glycerophosphate on bone cell mineralization[J]. Calcif Tissue Int. 1992 Oct;51(4):305-11.

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