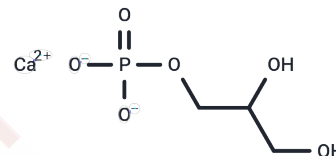


Calcium glycerophosphate

Chemical Properties

CAS No. :	27214-00-2
Formula:	C ₃ H ₇ CaO ₆ P
Molecular Weight:	210.14
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	Calcium glycerophosphate(CaGP) is an inhibitor of intestinal alkaline phosphatase F3. Calcium glycerophosphate can be a source of calcium and phosphorus in total parenteral nutrition solutions [1] [2].
Targets(IC50)	Phosphatase,Phosphorylase

Solubility Information

Solubility	H ₂ O: 0.1 mg/mL (0.48 mM),Sonication and heating to 60°C are recommended. DMSO: 1 mg/mL (insoluble or slightly soluble),Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7587 mL	23.7937 mL	47.5873 mL
5 mM	0.9517 mL	4.7587 mL	9.5175 mL
10 mM	0.4759 mL	2.3794 mL	4.7587 mL
50 mM	0.0952 mL	0.4759 mL	0.9517 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

- Datta P, et al. Calcium glycerophosphate preserves transepithelial integrity in the Caco-2 model of intestinal transport. World J Gastroenterol. 2015;21(30):9055-9066.
- Draper HH, et al. Calcium glycerophosphate as a source of calcium and phosphorus in total parenteral nutrition solutions. JPEN J Parenter Enteral Nutr. 1991;15(2):176-180.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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