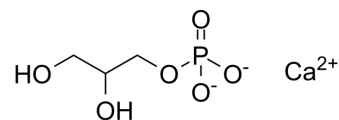


Calcium glycerophosphate

Cat. No.:	HY-B2203		
CAS No.:	27214-00-2		
Molecular Formula:	C ₃ H ₇ CaO ₆ P		
Molecular Weight:	210.14		
Target:	Phosphatase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

H₂O : 40 mg/mL (190.35 mM; ultrasonic and adjust pH to 3 with 1 M HCL)
 DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Calcium glycerophosphate is an inhibitor of intestinal alkaline phosphatase F3. Calcium glycerophosphate is a source of calcium and phosphorus in total parenteral nutrition solutions^{[1][2]}.

REFERENCES

[1]. 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.

[2]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA