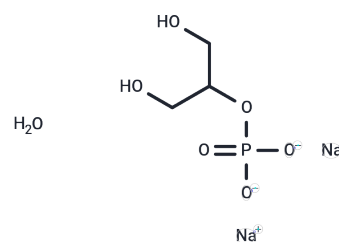


β-Glycerophosphate disodium salt hydrate

Chemical Properties

CAS No. :	154804-51-0
Formula:	C ₃ H ₉ Na ₂ O ₇ P
Molecular Weight:	234.05
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	β-Glycerophosphate is a classical serine-threonine phosphatase inhibitor used in kinase reaction buffers. BGP is often used in combination with other phosphatase/protease inhibitors for broad spectrum inhibition. It functions as an organic phosphate donor and has been used in culture media for mesenchymal stem cell differentiation to osteoblast-type cells. BGP is also used to buffer M17 media for Lactococcus culture in recombinant protein expression.
Targets(IC50)	Phosphatase,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 4 mg/mL (17.09 mM),Sonication is recommended. H2O: 40mg/ml (171mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2726 mL	21.363 mL	42.7259 mL
5 mM	0.8545 mL	4.2726 mL	8.5452 mL
10 mM	0.4273 mL	2.1363 mL	4.2726 mL
50 mM	0.0855 mL	0.4273 mL	0.8545 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481