

## Glycerophosphoinositol 4-phosphate

## Chemical Properties

CAS No. :	129830-96-2
Formula:	C <sub>9</sub> H <sub>20</sub> O <sub>14</sub> P <sub>2</sub>
Molecular Weight:	414.19
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	Glycerophosphoinositol 4-phosphate (GroPIIns-4-P) is a metabolite of phospholipase A and serves as an inhibitor of adenylyl cyclase. In its disodium form, it regulates cAMP-dependent cellular functions. It can also induce membrane ruffling and stress fiber formation in serum-starved Swiss 3T3 cells through the activation of small GTPases Rac and Rho, respectively. Glycerophosphoinositol 4-phosphate disodium is used in studies related to cancer cell motility and invasion.
Targets(IC50)	ROCK,Adenylate cyclase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4144 mL	12.0718 mL	24.1435 mL
5 mM	0.4829 mL	2.4144 mL	4.8287 mL
10 mM	0.2414 mL	1.2072 mL	2.4144 mL
50 mM	0.0483 mL	0.2414 mL	0.4829 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.

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