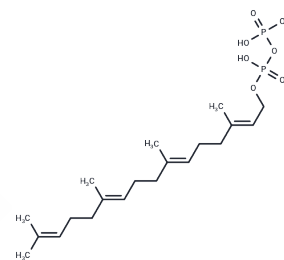


## Geranylgeranyl pyrophosphate

## Chemical Properties

CAS No. :	6699-20-3
Formula:	C <sub>20</sub> H <sub>36</sub> O <sub>7</sub> P <sub>2</sub>
Molecular Weight:	450.44
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	Geranylgeranyl pyrophosphate, a key metabolite in protein geranylgeranylation, serves as the universal precursor for diterpenoids, such as Paclitaxel. Its role in cancer research stems from this critical function.
Targets(IC50)	Others,Endogenous Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2201 mL	11.1003 mL	22.2005 mL
5 mM	0.444 mL	2.2201 mL	4.4401 mL
10 mM	0.222 mL	1.110 mL	2.2201 mL
50 mM	0.0444 mL	0.222 mL	0.444 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

Joseph C Utomo, et al. Developing a Yeast Platform Strain for an Enhanced Taxadiene Biosynthesis by CRISPR/Cas9. *Metabolites*. 2021 Mar 3;11(3):147.

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