

Geranylgeranyl pyrophosphate, t-BA (1:2)

Chemical Properties

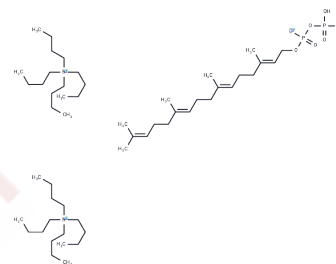
CAS No. :

Formula: C52H106N2O7P2

Molecular Weight: 933.35

Storage: Pure form: -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 tetrabutylammonium(1:2) is one of the endogenous cholesterol and intermediates produced by the mevalerate pathway. Geranylgeranyl pyrophosphate tetrabutylammonium(1:2) is the common precursor of diterpenoids, for example, Paclitaxel. It can be used for cancer research.
Targets(IC50)	Others

Solubility Information

Solubility	Methanol: 50 mg/mL (53.57 mM), Sonication is recommended. DMSO: 250 mg/mL (267.85 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0714 mL	5.357 mL	10.7141 mL
5 mM	0.2143 mL	1.0714 mL	2.1428 mL
10 mM	0.1071 mL	0.5357 mL	1.0714 mL
50 mM	0.0214 mL	0.1071 mL	0.2143 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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