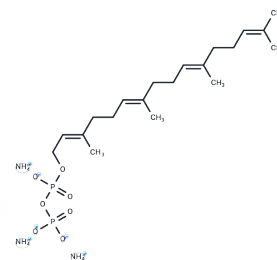


Geranylgeranyl Pyrophosphate triammonium (1 mg/ml solution in 10 mM ammonium hydroxide)

Chemical Properties

CAS No. :	313263-08-0
Formula:	C ₂₀ H ₄₅ N ₃ O ₇ P ₂
Molecular Weight:	501.54
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Geranylgeranyl Pyrophosphate triammonium (GGPP triammonium) is a metabolite involved in protein geranylgeranylation, modulating endothelial cell proliferation and apoptosis during mouse embryonic angiogenesis. GGPP triammonium amplifies T(reg) differentiation by increasing IL-2 expression, improving DSS-induced colitis, useful in cancer research.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	Methanol:NH ₄ OH (70:30): 1 mg/mL (1.99 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	1.9939 mL	9.9693 mL	19.9386 mL
5 mM	0.3988 mL	1.9939 mL	3.9877 mL
10 mM	0.1994 mL	0.9969 mL	1.9939 mL
50 mM	0.0399 mL	0.1994 mL	0.3988 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

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Maynor, M., Scott, S.A., Rickert, E.L., et al. Synthesis and evaluation of 3- and 7-substituted geranylgeranyl pyrophosphate analogs. *Bioorganic & Medicinal Chemistry Letters* 18(6), 1889-1892 (2008).

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