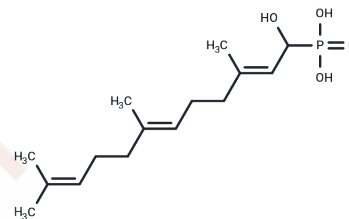


α-hydroxy Farnesyl Phosphonic Acid

Chemical Properties

CAS No. : 148796-53-6
 Formula: C₁₅H₂₇O₄P
 Molecular Weight: 302.35
 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	α-hydroxy Farnesyl phosphonic acid, a nonhydrolyzable analog of farnesyl pyrophosphate, acts as a competitive inhibitor of farnesyl transferase (FTase). At concentrations above 1 μM, it inhibits the processing of Ras in Ha-ras-transformed NIH3T3 cells.
Targets(IC50)	Others,Transferase

Solubility Information

Solubility	PBS (pH 7.2): <25 μg/mL, Sonication is recommended. Ethanol: >25 mg/mL, Sonication is recommended. 10 mM Na ₂ CO ₃ : Freely Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3074 mL	16.5371 mL	33.0743 mL
5 mM	0.6615 mL	3.3074 mL	6.6149 mL
10 mM	0.3307 mL	1.6537 mL	3.3074 mL
50 mM	0.0661 mL	0.3307 mL	0.6615 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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