

Trimethyl phosphate

Chemical Properties

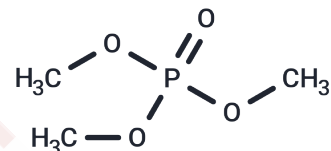
CAS No. : 512-56-1

Formula: C₃H₉O₄P

Molecular Weight: 140.07

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	NADH disodium salt hydrate is a coenzyme of oxidoreductase. NADH acts as a regenerative electron donor during catabolic processes including glycolysis, the citric acid cycle and beta-oxidation.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 27.5 mg/mL (196.33 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	7.1393 mL	35.6964 mL	71.3929 mL
5 mM	1.4279 mL	7.1393 mL	14.2786 mL
10 mM	0.7139 mL	3.5696 mL	7.1393 mL
50 mM	0.1428 mL	0.7139 mL	1.4279 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

Epstein S S , Bass W , Arnold E , et al. Mutagenicity of Trimethylphosphate in Mice[J]. Science, 1970, 168(3931):584-586.

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