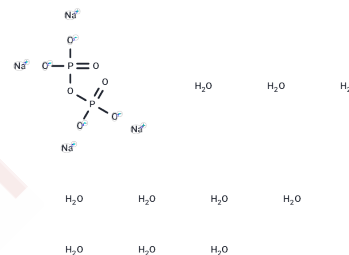


Sodium Pyrophosphate Decahydrate

Chemical Properties

CAS No. :	13472-36-1
Formula:	H ₂ ONa ₄ O ₁₇ P ₂
Molecular Weight:	446.06
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	Sodium pyrophosphate decahydrate is a biochemical reagent commonly used as an emulsifier, stabiliser, and chelating agent, and is applicable in related research in the field of life sciences.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 30 mg/mL (67.26 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	2.2419 mL	11.2093 mL	22.4185 mL
5 mM	0.4484 mL	2.2419 mL	4.4837 mL
10 mM	0.2242 mL	1.1209 mL	2.2419 mL
50 mM	0.0448 mL	0.2242 mL	0.4484 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

Xin Xu, et al. Local Electric Field Modulated Reactivity of Pseudomonas aeruginosa Acid Phosphatase for Enhancing Phosphorylation of l-Ascorbic Acid. ACS Catal. 2021, 11, 21, 13397-13407.

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