

Disodium Phosphate

Chemical Properties

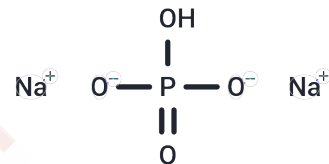
CAS No. : 7558-79-4

Formula: HNa₂O₄P

Molecular Weight: 141.96

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	Disodium Phosphate (Sodium hydrogen phosphate) is commonly used as a food additive and also acts as a corrosion inhibitor.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 10 mM, Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.0442 mL	35.2212 mL	70.4424 mL
5 mM	1.4088 mL	7.0442 mL	14.0885 mL
10 mM	0.7044 mL	3.5221 mL	7.0442 mL
50 mM	0.1409 mL	0.7044 mL	1.4088 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

Cohrs I, Grünberg, Walter. Suitability of oral administration of monosodium phosphate, disodium phosphate, and magnesium phosphate for the rapid correction of hypophosphatemia in cattle[J]. Journal of Veterinary Internal Medicine, 2018.

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