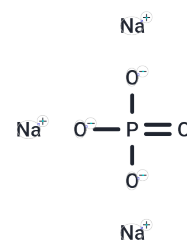


Trisodium Phosphate

Chemical Properties

CAS No. :	7601-54-9
Formula:	Na ₃ O ₄ P
Molecular Weight:	163.94
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	Trisodium Phosphate is a strong alkali commonly used as a detergent, and has antibacterial activity against E. coli and S. aureus.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	H ₂ O: 180 mg/mL (1097.96 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	6.0998 mL	30.499 mL	60.9979 mL
5 mM	1.220 mL	6.0998 mL	12.1996 mL
10 mM	0.610 mL	3.0499 mL	6.0998 mL
50 mM	0.122 mL	0.610 mL	1.220 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

Zhang J, et al. Effects of trisodium phosphate treatment after harvest on storage quality and sucrose metabolism in jujube fruit. J Sci Food Agric. 2019 Sep;99(12):5526-5532.

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