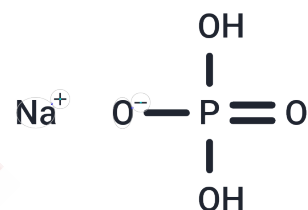


Sodium Dihydrogen Phosphate

Chemical Properties

CAS No. :	7558-80-7
Formula:	H ₂ NaO ₄ P
Molecular Weight:	119.98
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 Dihydrogen Phosphate has inhibitory activity against hCA1/2/4/5A/9 and is commonly used as a detergent or phosphorus supplement.
Targets(IC50)	Carbonic Anhydrase

Solubility Information

Solubility	H ₂ O: 10 mg/mL (83.35 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	8.3347 mL	41.6736 mL	83.3472 mL
5 mM	1.6669 mL	8.3347 mL	16.6694 mL
10 mM	0.8335 mL	4.1674 mL	8.3347 mL
50 mM	0.1667 mL	0.8335 mL	1.6669 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

Kumar H, et al. Investigations on solute-solvent interactions of amino acids in aqueous solutions of sodium dihydrogen phosphate at different temperatures. Monatshefte für Chemie-Chemical Monthly, 2014, 145: 1063-1082.

Elder DP, et al. Pharmaceutical excipients - quality, regulatory and biopharmaceutical considerations. Eur J Pharm Sci. 2016 May 25;87:88-99.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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