

## Potassium dihydrogen phosphate, for molecular biology

## Chemical Properties

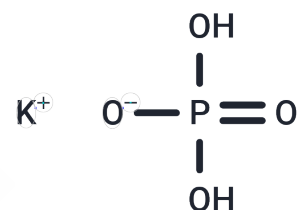
CAS No. : 7778-77-0

Formula: H<sub>2</sub>KO<sub>4</sub>P

Molecular Weight: 136.09

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	Potassium dihydrogen phosphate (Potassium phosphate monobasic), with a purity of ≥ 99%, is utilized as a buffering agent in molecular biology, biochemistry, and chromatography. It is employed in the preparation of biological buffers and is suitable for use in molecular biology applications.
Targets(IC50)	Others

## Solubility Information

Solubility	H <sub>2</sub> O: 50 mg/mL (367.4 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	7.3481 mL	36.7404 mL	73.4808 mL
5 mM	1.4696 mL	7.3481 mL	14.6962 mL
10 mM	0.7348 mL	3.674 mL	7.3481 mL
50 mM	0.147 mL	0.7348 mL	1.4696 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

Nakao S, Nishio T, Kanjo Y. Simultaneous recovery of phosphorus and potassium as magnesium potassium phosphate from synthetic sewage sludge effluent. Environ Technol. 2017 Oct;38(19):2416-2426.

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