

## Sodium dihydrogen phosphate monohydrate

Cat. No.:	HY-W094497
CAS No.:	10049-21-5
Molecular Formula:	H <sub>4</sub> NaO <sub>5</sub> P
Molecular Weight:	137.99
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 100 mg/mL (724.69 mM; Need ultrasonic)

	Solvent Concentration	Mass			
		1 mg	5 mg	10 mg	
Preparing Stock Solutions	1 mM	7.2469 mL	36.2345 mL	72.4690 mL	
	5 mM	1.4494 mL	7.2469 mL	14.4938 mL	
	10 mM	0.7247 mL	3.6235 mL	7.2469 mL	

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Sodium phosphate monobasic monohydrate is a commonly used buffer<sup>[1]</sup>.

### REFERENCES

[1]. Buur JL, et al. Analysis of diltiazem in Lipoderm transdermal gel using reversed-phase high-performance liquid chromatography applied to homogenization and stability studies. J Pharm Biomed Anal. 2005;38(1):60-65.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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