

## Acid phosphatase

## Chemical Properties

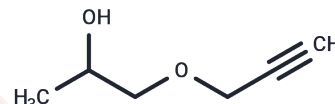
CAS No. : 9001-77-8

Formula: C<sub>6</sub>H<sub>10</sub>O<sub>2</sub>

Molecular Weight: 114.144

Storage: Store at low temperature, Keep away from moisture  
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	Acid phosphatase (ACP) is an enzyme that releases attached phosphate groups from other molecules during digestion, is stored in lysosomes, has an optimal acidic pH, and serves as a medical marker and target for cancer immunotherapy.
Targets(IC50)	Endogenous Metabolite, Phosphatase

## Solubility Information

Solubility	0.1M HCl: 50 mg/mL (438.04 mM), Sonication is recommended. H <sub>2</sub> O: 20 mg/mL (175.22 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	8.7612 mL	43.8059 mL	87.6117 mL
5 mM	1.7522 mL	8.7612 mL	17.5223 mL
10 mM	0.8761 mL	4.3806 mL	8.7612 mL
50 mM	0.1752 mL	0.8761 mL	1.7522 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

Anand A, Srivastava PK. A molecular description of acid phosphatase. Appl Biochem Biotechnol. 2012 Aug;167(8): 2174-97. Epub 2012 Jun 10. PMID: 22684363.

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