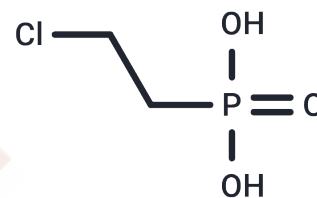


## Ethephon

## Chemical Properties

CAS No. :	16672-87-0
Formula:	C <sub>2</sub> H <sub>6</sub> ClO <sub>3</sub> P
Molecular Weight:	144.49
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	Ethephon, a plant growth regulator [1], is widely utilized for its ability to release ethylene, thereby promoting various growth processes in plants such as fruit ripening, flower induction, and abscission.
In vitro	Ethephon (50 μM) enhances root growth and ginsenoside accumulation in the adventitious root culture of ginseng ( <i>Panax ginseng</i> C.A. Meyer), but at a concentration of 100 μM, it inhibits ginsenoside accumulation [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.9209 mL	34.6045 mL	69.2089 mL
5 mM	1.3842 mL	6.9209 mL	13.8418 mL
10 mM	0.6921 mL	3.4604 mL	6.9209 mL
50 mM	0.1384 mL	0.6921 mL	1.3842 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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