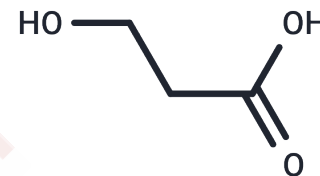


## 3-Hydroxypropionic acid (28%-32% in Water)

## Chemical Properties

CAS No. :	503-66-2
Formula:	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>
Molecular Weight:	90.08
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	3-Hydroxypropionic acid is a carboxylic acid exhibiting inhibitory activity against 2-hydroxy-3-oxopropionate reductase, suitable for biochemical experiments and drug synthesis research.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	11.1012 mL	55.5062 mL	111.0124 mL
5 mM	2.2202 mL	11.1012 mL	22.2025 mL
10 mM	1.1101 mL	5.5506 mL	11.1012 mL
50 mM	0.222 mL	1.1101 mL	2.2202 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

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Liang N, et al. 3-Hydroxypropionic acid contributes to the antibacterial activity of glycerol metabolism by the food microbe Limosilactobacillus reuteri. Food Microbiol. 2021 Sep;98:103720.

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