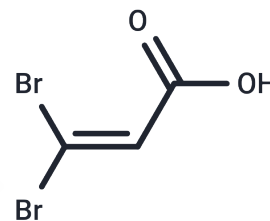


## 3,3-Dibromopropenoic acid

## Chemical Properties

CAS No. :	1578-21-8
Formula:	C <sub>3</sub> H <sub>2</sub> Br <sub>2</sub> O <sub>2</sub>
Molecular Weight:	229.85
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	3,3-Dibromopropenoic acid, derived from propenoic acid, is a polar aromatic compound formed as a result of bromination during chlorination in water. It acts as a disinfection byproduct.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3507 mL	21.7533 mL	43.5066 mL
5 mM	0.8701 mL	4.3507 mL	8.7013 mL
10 mM	0.4351 mL	2.1753 mL	4.3507 mL
50 mM	0.087 mL	0.4351 mL	0.8701 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

Hongyan Zhai , et al. Formation and decomposition of new and unknown polar brominated disinfection byproducts during chlorination. Environ Sci Technol. 2011 Mar 15;45(6):2194-201.

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