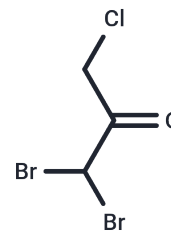


1,1-Dibromo-3-chloroacetone

Chemical Properties

CAS No. :	1578-18-3
Formula:	C ₃ H ₃ Br ₂ ClO
Molecular Weight:	250.31
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	1,1-Dibromo-3-chloroacetone is a halogenated disinfection byproduct (DBP) formed under high bromide levels when chlorine or chloramine is used as a secondary disinfectant in ozone-chlorine and ozone-chloramine processes.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.995 mL	19.9752 mL	39.9505 mL
5 mM	0.799 mL	3.995 mL	7.9901 mL
10 mM	0.3995 mL	1.9975 mL	3.995 mL
50 mM	0.0799 mL	0.3995 mL	0.799 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

Susan D. Richardson, et al. Identification of New Drinking Water Disinfection Byproducts Formed in the Presence of Bromide. Environ. Sci. Technol. 1999, 33, 19, 3378-3383.

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