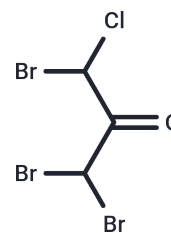


1,1,3-Tribromo-3-chloroacetone

Chemical Properties

CAS No. :	55716-01-3
Formula:	C ₃ H ₂ Br ₃ ClO
Molecular Weight:	329.21
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	1,1,3-Tribromo-3-chloroacetone is a chemical compound that acts as a halogenated disinfection byproduct (DBP) formed in the presence of elevated bromide levels during chlorine or chloramine use as a secondary disinfectant, attributed to reactions between ozone-chlorine and ozone-chloramine.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0376 mL	15.1879 mL	30.3757 mL
5 mM	0.6075 mL	3.0376 mL	6.0751 mL
10 mM	0.3038 mL	1.5188 mL	3.0376 mL
50 mM	0.0608 mL	0.3038 mL	0.6075 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. <https://pubs.acs.org/doi/10.1021/es9900297>

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