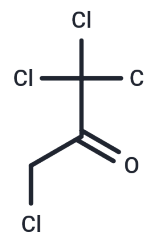


1,1,1,3-Tetrachloroacetone

Chemical Properties

CAS No. :	16995-35-0
Formula:	C ₃ H ₂ Cl ₄ O
Molecular Weight:	195.85
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	1,1,1,3-Tetrachloroacetone, a halogenated compound, is known to form ozone-chlorine and ozone-chloramine disinfection byproducts (DBPs) when elevated bromide levels are present in water treated with chlorine or chloramine as secondary disinfectants.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.1059 mL	25.5297 mL	51.0595 mL
5 mM	1.0212 mL	5.1059 mL	10.2119 mL
10 mM	0.5106 mL	2.553 mL	5.1059 mL
50 mM	0.1021 mL	0.5106 mL	1.0212 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.

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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