Data Sheet (Cat.No.T39053)

TargetMol
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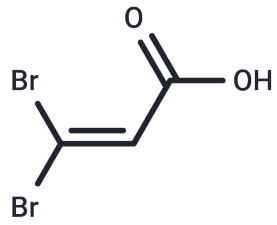
3,3-Dibromopropenoic acid

Chemical Properties



CAS No. : 1578-21-8

Formula: C3H2Br2O2

Molecular Weight: 229.855

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

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.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3505 mL	21.7524 mL	43.5047 mL
5 mM	0.8701 mL	4.3505 mL	8.7009 mL
10 mM	0.435 mL	2.1752 mL	4.3505 mL
50 mM	0.087 mL	0.435 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.

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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481