

Bromodichloroacetonitrile

Chemical Properties

CAS No. : 60523-73-1

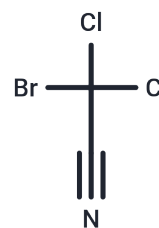
Formula: C₂BrCl₂N

Molecular Weight: 188.84

Keep away from direct sunlight, Store at low temperature

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

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Bromodichloroacetonitrile (BDCAN) is a genotoxic and cytotoxic nitrogen disinfection byproduct found primarily in BDCAN and process wastewater.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.2955 mL	26.4774 mL	52.9549 mL
5 mM	1.0591 mL	5.2955 mL	10.591 mL
10 mM	0.5295 mL	2.6477 mL	5.2955 mL
50 mM	0.1059 mL	0.5295 mL	1.0591 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

Xiaoya Liu, et al. Research status in quo of disinfection by-products formation from algal organic matter as precursors. Disinfection By-products in Drinking Water Detection and Treatment. 2020, Pages 137-168.

Glezer Victor, et al. Hydrolysis of haloacetonitriles: linear free energy relationship, kinetics and products. Water research 33.8 (1999): 1938-1948.

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