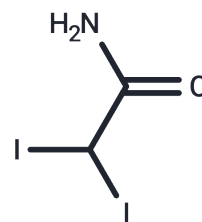


## Diiodoacetamide

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 5875-23-0   |
| Formula:          | C <sub>2</sub> H <sub>3</sub> I <sub>2</sub> NO   |
| Molecular Weight: | 310.861   |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |  |
|---------------|--|
| Description   | Diiodoacetamide, an iodo-haloacetamide compound, emerges as a disinfection by-product (DBP) within drinking water. |
| Targets(IC50) | Others   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.2169 mL | 16.0844 mL | 32.1688 mL |
| 5 mM  | 0.6434 mL | 3.2169 mL  | 6.4338 mL  |
| 10 mM | 0.3217 mL | 1.6084 mL  | 3.2169 mL  |
| 50 mM | 0.0643 mL | 0.3217 mL  | 0.6434 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

Zhi Liu, et al. Degradation of diiodoacetamide in water by UV/chlorination: Kinetics, efficiency, influence factors and toxicity evaluation. Chemosphere. 2020 Feb;240:124761.

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