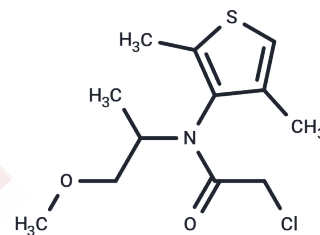


## Dimethenamid

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 87674-68-8  |
| Formula:          | C <sub>12</sub> H <sub>18</sub> ClNO <sub>2</sub> S   |
| Molecular Weight: | 275.80  |
| 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   | Dimethenamid is a chloroacetamide herbicide. |
| Targets(IC50) | Others                                       |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: Soluble,<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.6258 mL | 18.1291 mL | 36.2582 mL |
| 5 mM  | 0.7252 mL | 3.6258 mL  | 7.2516 mL  |
| 10 mM | 0.3626 mL | 1.8129 mL  | 3.6258 mL  |
| 50 mM | 0.0725 mL | 0.3626 mL  | 0.7252 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

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- Sivey JD, McCullough CE, Roberts AL. Chlorine monoxide (Cl(2)O) and molecular chlorine (Cl(2)) as active chlorinating agents in reaction of dimethenamid with aqueous free chlorine. *Environ Sci Technol*. 2010 May 1;44(9):3357-62. doi: 10.1021/es9038903. PubMed PMID: 20302364.

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