

## Oxymethurea

## Chemical Properties

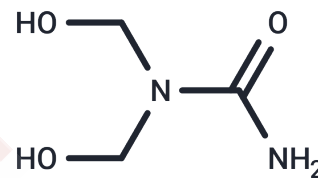
CAS No. : 140-95-4

Formula: C<sub>3</sub>H<sub>8</sub>N<sub>2</sub>O<sub>3</sub>

Molecular Weight: 120.11

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

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Oxymethurea (CSI Paste) is a modified urea and can be used as in agricultural fields as a slow-release fertilizer.
Targets(IC50)	Others

## Solubility Information

Solubility DMSO: 1.21 mg/mL (10.07 mM), Sonication is recommended.  
(< 1 mg/ml refers to the product slightly soluble or insoluble)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.3257 mL	41.6285 mL	83.257 mL
5 mM	1.6651 mL	8.3257 mL	16.6514 mL
10 mM	0.8326 mL	4.1629 mL	8.3257 mL
50 mM	0.1665 mL	0.8326 mL	1.6651 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

Yang J, et al. Dimethylolurea as a Novel Slow-Release Nitrogen Source for Nitrogen Leaching Mitigation and Crop Production. J Agric Food Chem. 2019 Jul 10;67(27):7616-7625.

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