

## N-Oxalylglycine

## Chemical Properties

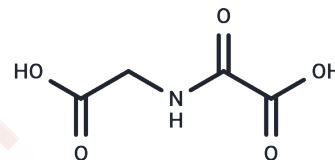
CAS No. : 5262-39-5

Formula: C<sub>4</sub>H<sub>5</sub>NO<sub>5</sub>

Molecular Weight: 147.09

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	N-Oxalylglycine (Oxalylglycine) is a cell permeable inhibitor of $\alpha$ -ketoglutarate-dependent enzymes.
Targets(IC50)	Histone Demethylase,Others,HIF/HIF Prolyl-Hydroxylase

## Solubility Information

Solubility	H <sub>2</sub> O: 25 mg/mL (169.96 mM),Sonication is recommended. DMSO: < 1.47 mg/mL (10 mM, insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.7986 mL	33.9928 mL	67.9856 mL
5 mM	1.3597 mL	6.7986 mL	13.5971 mL
10 mM	0.6799 mL	3.3993 mL	6.7986 mL
50 mM	0.136 mL	0.6799 mL	1.3597 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

Al-Qahtani, K., Jabeen, B., Sekirnik, R., Riaz, N., Claridge, T., Schofield, C., & McCullagh, J. The broad spectrum 2-oxoglutarate oxygenase inhibitor N-oxalylglycine is present in rhubarb and spinach leaves. *Phytochemistry*. 2015; 117: 456-461.

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