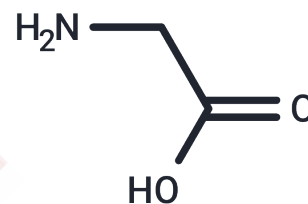


## glycine

## Chemical Properties

CAS No. :	56-40-6
Formula:	C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>
Molecular Weight:	75.07
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	glycine (2-Aminoacetic acid) is a non-essential amino acid. It is found primarily in gelatin and silk fibroin and used therapeutically as a nutrient. It is also a fast inhibitory neurotransmitter.
Targets(IC50)	Endogenous Metabolite,iGluR,MT Receptor,VEGFR

## Solubility Information

Solubility	DMSO: Insoluble, H <sub>2</sub> O: 100 mg/mL (1332.09 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	13.3209 mL	66.6045 mL	133.209 mL
5 mM	2.6642 mL	13.3209 mL	26.6418 mL
10 mM	1.3321 mL	6.6605 mL	13.3209 mL
50 mM	0.2664 mL	1.3321 mL	2.6642 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

Johnson JW, et al. Glycine potentiates the NMDA response in cultured mouse brain neurons. Nature. 1987 Feb 5-11; 325(6104):529-31.

Wu J, Zhao M, Jin Y, et al.Schisandrin B, a dual positive allosteric modulator of GABAA and glycine receptors, alleviates seizures in multiple mouse models.Acta Pharmacologica Sinica.2023: 1-15.

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