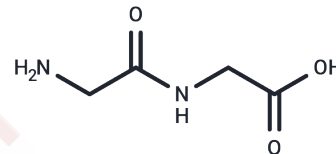


Glycylglycine

Chemical Properties

CAS No. :	556-50-3
Formula:	C ₄ H ₈ N ₂ O ₃
Molecular Weight:	132.12
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Glycylglycine (Diglycine) is a dipeptide used in biochemical research. It is the simplest of all dipeptides and is used as a starting template for preparation of more complex peptides. Glycine is involved in the body's production of DNA, phospholipids, and collagen, and in the release of energy.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: Insoluble, H ₂ O: 10 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	7.5689 mL	37.8444 mL	75.6888 mL
5 mM	1.5138 mL	7.5689 mL	15.1378 mL
10 mM	0.7569 mL	3.7844 mL	7.5689 mL
50 mM	0.1514 mL	0.7569 mL	1.5138 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

Van Hove JL, et al. Benzoate treatment and the glycine index in nonketotic hyperglycinaemia. J Inherit Metab Dis. 2005;28(5):651-63.

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