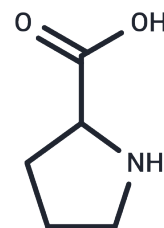


DL-Proline

Chemical Properties

CAS No. :	609-36-9
Formula:	C ₅ H ₉ NO ₂
Molecular Weight:	115.13
Storage:	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	DL-Proline is a DL mixture of proline with multiple biological activities, capable of inhibiting EGFR and sodium-dependent proline transporters, and is commonly used in solid-phase or liquid-phase peptide synthesis.
Targets(IC50)	Amino Acids and Derivatives

Solubility Information

Solubility	DMSO: 1 mg/mL (8.69 mM), Sonication is recommended. H ₂ O: 80 mg/mL (694.87 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	8.6858 mL	43.4292 mL	86.8583 mL
5 mM	1.7372 mL	8.6858 mL	17.3717 mL
10 mM	0.8686 mL	4.3429 mL	8.6858 mL
50 mM	0.1737 mL	0.8686 mL	1.7372 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

Tian Z, et, al. Exogenous melatonin enhances drought tolerance and germination in common buckwheat seeds through the coordinated effects of antioxidant and osmotic regulation. BMC Plant Biol. 2025 May 9;25(1):613.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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