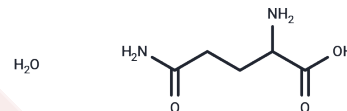


DL-Glutamine

Chemical Properties

CAS No. : 6899-04-3
 Formula: C₅H₁₀N₂O₃
 Molecular Weight: 146.14
 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	DL-Glutamine (2-amino-4-carbamoylbutanoic acid), a non-essential amino acid, exists abundantly throughout the body and is participated in many metabolic processes. It is synthesized from glutamic acid and ammonia, and is the main carrier of nitrogen in the body and is an important energy source for many cells.
Targets(IC50)	Ferroptosis,Amino Acids and Derivatives,Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: 10 mM,Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.8428 mL	34.2138 mL	68.4275 mL
5 mM	1.3686 mL	6.8428 mL	13.6855 mL
10 mM	0.6843 mL	3.4214 mL	6.8428 mL
50 mM	0.1369 mL	0.6843 mL	1.3686 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

Mong JA, Blutstein T. Neuroscience. 2006; 138(3):967-75.

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