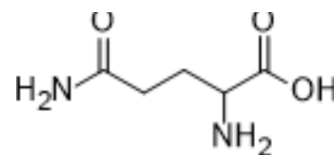


DL-Glutamine

Cat. No.:	HY-B1346		
CAS No.:	6899-04-3		
Molecular Formula:	C ₅ H ₁₀ N ₂ O ₃		
Molecular Weight:	146.14		
Target:	Ferroptosis; Endogenous Metabolite		
Pathway:	Apoptosis; Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

H₂O : 33.33 mg/mL (228.07 mM; Need ultrasonic)
 DMSO : < 1 mg/mL (insoluble or slightly soluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: PBS
 Solubility: 50 mg/mL (342.14 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

DL-Glutamine is used for biochemical research and drug synthesis.

IC₅₀ & Target

Human Endogenous Metabolite	Microbial Metabolite
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Caution: Product has not been fully validated for medical applications. For research use only.

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