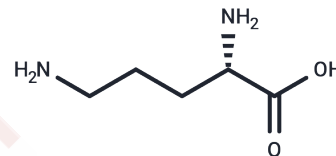


L-Ornithine

Chemical Properties

CAS No. :	70-26-8
Formula:	C ₅ H ₁₂ N ₂ O ₂
Molecular Weight:	132.16
Appearance:	no data available
Storage:	store under nitrogen
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	L-Ornithine ((S)-2,5-Diaminopentanoic acid) exhibits an anti-fatigue function by promoting ammonia excretion and enhancing energy consumption efficiency.
Targets(IC50)	Amino Acids and Derivatives,Arginase,Endogenous Metabolite,Decarboxylase
In vivo	L-Ornithine and phenylacetate act synergistically to successfully attenuate increases in arterial ammonia, which is accompanied by a significant decrease in extracellular brain ammonia and prevention of intracranial hypertension in pigs with ALF[1].

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	7.5666 mL	37.8329 mL	75.6659 mL
5 mM	1.5133 mL	7.5666 mL	15.1332 mL
10 mM	0.7567 mL	3.7833 mL	7.5666 mL
50 mM	0.1513 mL	0.7567 mL	1.5133 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.

Reference

Ytrebø LM, et al. Hepatology. 2009, 50(1):165-74.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481