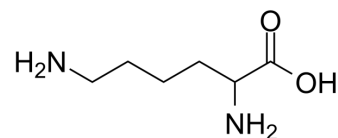


DL-Lysine

Cat. No.:	HY-B2236
CAS No.:	70-54-2
Molecular Formula:	C ₆ H ₁₄ N ₂ O ₂
Molecular Weight:	146.19
Target:	Others
Pathway:	Others
Storage:	<div>Powder</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> <div>In solvent</div> <div>-80°C 2 years</div> <div>-20°C 1 year</div>



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (684.04 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		6.8404 mL	34.2021 mL	68.4041 mL
		5 mM		1.3681 mL	6.8404 mL	13.6808 mL
		10 mM		0.6840 mL	3.4202 mL	6.8404 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS					
	Solubility: 100 mg/mL (684.04 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	DL-Lysine is a racemic mixture of the D-Lysine and L-Lysine. Lysine is an α-amino acid that is used in the biosynthesis of proteins ^[1] .
In Vitro	D-Lysine produces from L-Lysine by successive chemical racemization and microbial asymmetric degradation. L-Lysine is enantiomer of D-Lysine. D-Lysine exists in all living organisms, ranging from bacteria to humans. D-Lysine is a potentially toxic compound ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA