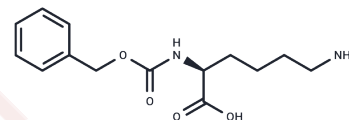


## Z-Lys-OH

## Chemical Properties

CAS No. :	2212-75-1
Formula:	C14H20N2O4
Molecular Weight:	280.32
Storage:	Keep away from moisture 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	Z-Lys-OH is a competitive inhibitor of papain, a lysine derivative.
Targets(IC50)	Amino Acids and Derivatives,Cysteine Protease
In vitro	Recognized as beneficial ergogenic dietary substances, amino acids and amino acid derivatives(Z-Lys-OH) have been commercially used as ergogenic supplements. They influence the secretion of anabolic hormones, provide fuel during exercise, enhance mental performance during stress-related tasks, and prevent exercise-induced muscle damage[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5674 mL	17.8368 mL	35.6735 mL
5 mM	0.7135 mL	3.5674 mL	7.1347 mL
10 mM	0.3567 mL	1.7837 mL	3.5674 mL
50 mM	0.0713 mL	0.3567 mL	0.7135 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

Recognized as beneficial ergogenic dietary substances, amino acids and amino acid derivatives have been commercially used as ergogenic supplements. They influence the secretion of anabolic hormones, provide fuel during exercise, enhance mental performance during stress-related tasks, and prevent exercise-induced muscle damage[1].

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