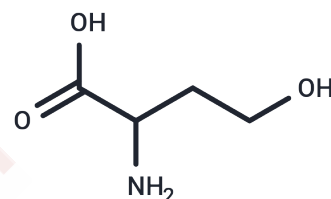


DL-Homoserine

Chemical Properties

CAS No. :	1927-25-9
Formula:	C ₄ H ₉ NO ₃
Molecular Weight:	119.12
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-Homoserine is an unnatural amino acid that is active against homoserine kinases and dehydrogenases and is commonly used in biochemical experiments and organic synthesis.
Targets(IC50)	Amino Acids and Derivatives

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.3949 mL	41.9745 mL	83.949 mL
5 mM	1.679 mL	8.3949 mL	16.7898 mL
10 mM	0.8395 mL	4.1974 mL	8.3949 mL
50 mM	0.1679 mL	0.8395 mL	1.679 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

Mochizuki, K., & Miyazaki, K. (2007). Microbial resolution of dl-homoserine for the production of d-homoserine using a novel isolate, *Arthrobacter nicotinovorans* strain 2-3. *Enzyme and Microbial Technology*, 41(3), 318-321.

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