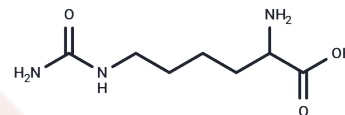


L-Homocitrulline

Chemical Properties

CAS No. : 1190-49-4
 Formula: C7H15N3O3
 Molecular Weight: 189.21
 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	L-Homocitrulline (Homocitrulline) is a metabolite that can be detected in larger amounts in the urine of individuals with urea cycle disorders. The accumulation of carbamyl phosphate due to a depleted supply of ornithine for the urea cycle may be responsible for the enhanced synthesis of L-Homocitrulline and homoarginine in some cases.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	H2O: 50 mg/mL (264.26 mM), Sonication is recommended. DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.2851 mL	26.4257 mL	52.8513 mL
5 mM	1.057 mL	5.2851 mL	10.5703 mL
10 mM	0.5285 mL	2.6426 mL	5.2851 mL
50 mM	0.1057 mL	0.5285 mL	1.057 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

Kato T, et al. Homocitrullinuria and homoargininuria in lysinuric protein intolerance. J Inherit Metab Dis. 1989;12 (2):157-61.

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