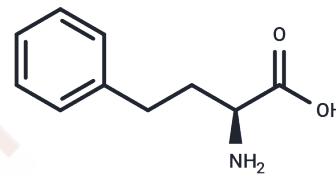


L-Homophenylalanine

Chemical Properties

CAS No. :	943-73-7
Formula:	C ₁₀ H ₁₃ NO ₂
Molecular Weight:	179.22
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-Homophenylalanine is a non-natural amino acid that exhibits activity against tyrocidine synthetase 1 (K _m = 1.45 mM) and is widely used in life science research and the synthesis of chiral drugs.
Targets(IC50)	Amino Acids and Derivatives

Solubility Information

Solubility	H ₂ O: 2.60 mg/mL (14.51 mM),, when pH is adjusted to 11 with NaOH. 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	5.5797 mL	27.8987 mL	55.7973 mL
5 mM	1.1159 mL	5.5797 mL	11.1595 mL
10 mM	0.558 mL	2.7899 mL	5.5797 mL
50 mM	0.1116 mL	0.558 mL	1.1159 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

Lee Apostle Mcdermott, et al. 20-hete formation inhibitors. US, WO2020163689. 2020-02-07.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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