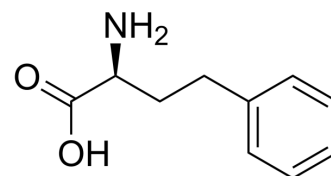


L-Homophenylalanine

Cat. No.:	HY-I1029		
CAS No.:	943-73-7		
Molecular Formula:	C ₁₀ H ₁₃ NO ₂		
Molecular Weight:	179.22		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

H₂O : 3.33 mg/mL (18.58 mM; ultrasonic and adjust pH to 12 with NaOH)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	5.5797 mL	27.8987 mL	55.7973 mL
5 mM	1.1159 mL	5.5797 mL	11.1595 mL
10 mM	0.5580 mL	2.7899 mL	5.5797 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

L-Homophenylalanine is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

In Vitro

L-Homophenylalanine is used as a precursor in the pharmaceutical industry for the production of angiotensin-converting enzyme (ACE) and R-(-)-Homophenylalanin-ethylenester. It is also involved in the synthesis of NEPA [(S,S)-N-(1-Ethoxycarbonyl-3-phenylpropyl)alanine], which is a key intermediate to prepare the ACE-inhibitors: enalapril, delapril, quinapril and ramipril. It acts as an anti-tumor reagent.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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