

L-Homopropargylglycine

Chemical Properties

CAS No. : 98891-36-2

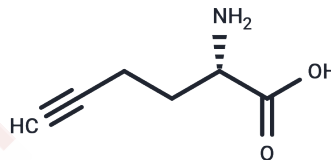
Formula: C₆H₉NO₂

Molecular Weight: 127.14

Store at low temperature

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-Homopropargylglycine is an alkyl chain-based PROTAC linker utilized in the synthesis of PROTACs[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands linked together: one targets an E3 ubiquitin ligase, while the other binds to a specific target protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade these target proteins[1].

Solubility Information

Solubility	DMSO: 100 mg/mL (786.53 mM),Sonication is recommended. H2O: 60 mg/mL (471.92 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (31.46 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.8653 mL	39.3267 mL	78.6535 mL
5 mM	1.5731 mL	7.8653 mL	15.7307 mL
10 mM	0.7865 mL	3.9327 mL	7.8653 mL
50 mM	0.1573 mL	0.7865 mL	1.5731 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

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562.

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