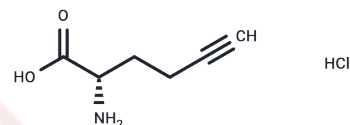


L-Homopropargylglycine hydrochloride

Chemical Properties

CAS No. :	942518-19-6
Formula:	C ₆ H ₁₀ ClNO ₂
Molecular Weight:	163.6
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	L-Homopropargylglycine hydrochloride is an alkyl-chain PROTAC linker suitable for synthesising PROTAC molecules. L-Homopropargylglycine hydrochloride contains an alkyne moiety capable of undergoing click chemistry reactions with azide-containing compounds.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Solubility Information

Solubility	H ₂ O: 80 mg/mL (489 mM),Sonication is recommended. DMSO: 100 mg/mL (611.25 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: 3.3 mg/mL (20.17 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	6.1125 mL	30.5623 mL	61.1247 mL
5 mM	1.2225 mL	6.1125 mL	12.2249 mL
10 mM	0.6112 mL	3.0562 mL	6.1125 mL
50 mM	0.1222 mL	0.6112 mL	1.2225 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;36:553-562.

Shen Y, et al. Protocol for visualizing newly synthesized proteins in primary mouse hepatocytes. *STAR Protoc*. 2021;2(3):100616. Published 2021 Jun 17.

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