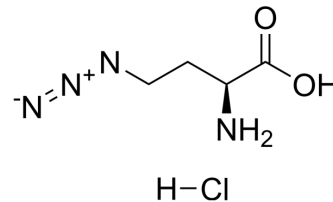


## L-Azidohomoalanine hydrochloride

<b>Cat. No.:</b>	HY-140346A
<b>CAS No.:</b>	942518-29-8
<b>Molecular Formula:</b>	C <sub>4</sub> H <sub>9</sub> ClN <sub>4</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	180.59
<b>Target:</b>	PROTAC Linkers
<b>Pathway:</b>	PROTAC
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	H <sub>2</sub> O : 125 mg/mL (692.18 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	5.5374 mL	27.6870 mL	55.3741 mL
		5 mM	1.1075 mL	5.5374 mL	11.0748 mL
		10 mM	0.5537 mL	2.7687 mL	5.5374 mL
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (553.74 mM); Clear solution; Need ultrasonic				

### BIOLOGICAL ACTIVITY

<b>Description</b>	L-Azidohomoalanine hydrochloride is an alkyl chain-based PROTAC linker that can be used in the synthesis of PROTACs <sup>[1]</sup> . L-Azidohomoalanine (hydrochloride) is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.
<b>IC<sub>50</sub> &amp; Target</b>	Alkyl-Chain
<b>In Vitro</b>	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 <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### CUSTOMER VALIDATION

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- Redox Biol. 2022 Mar 24;52:102284.
  - Cell Biosci. 2022 Dec 21;12(1):206.
  - Microbiol Spectr. 2021 Nov 10;9(3):e0109421.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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

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