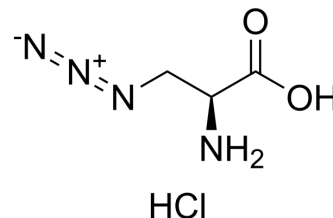


## 3-Azido-L-alanine hydrochloride

Cat. No.:	HY-W336328
CAS No.:	1620171-64-3
Molecular Formula:	C <sub>3</sub> H <sub>7</sub> ClN <sub>4</sub> O <sub>2</sub>
Molecular Weight:	166.57
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (750.44 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	6.0035 mL	30.0174 mL	60.0348 mL	
5 mM	1.2007 mL	6.0035 mL	12.0070 mL	
10 mM	0.6003 mL	3.0017 mL	6.0035 mL	

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

### BIOLOGICAL ACTIVITY

#### Description

3-Azido-L-alanine hydrochloride is an aliphatic functionalized amino acid with side chain lengths of up to four carbons<sup>[1]</sup>. 3-Azido-L-alanine (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.

### REFERENCES

[1]. Moschny J, et al. Precursor-Directed Biosynthesis and Fluorescence Labeling of Clickable Microcystins. J Nat Prod. 2020 Jun 26;83(6):1960-1970.

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

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