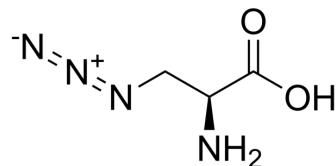


## 3-Azido-L-alanine

Cat. No.:	HY-151641
CAS No.:	105661-40-3
Molecular Formula:	C <sub>3</sub> H <sub>6</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight:	130.11
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

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