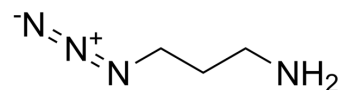


## 3-Azidopropylamine

Cat. No.:	HY-151862
CAS No.:	88192-19-2
Molecular Formula:	C <sub>3</sub> H <sub>8</sub> N <sub>4</sub>
Molecular Weight:	100.12
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (998.80 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	9.9880 mL	49.9401 mL	99.8801 mL
	5 mM	1.9976 mL	9.9880 mL	19.9760 mL
	10 mM	0.9988 mL	4.9940 mL	9.9880 mL

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

### BIOLOGICAL ACTIVITY

#### Description

3-Azidopropylamine is a click chemistry reagent containing an azide group. 3-Azidopropylamine can react with the starch sugar of potato starch for complexation and transfection of plasmid DNA<sup>[1]</sup>.

#### In Vitro

The amylose from potato starch is azidized by reacting with 3-Azidopropylamine in the presence of N, N'-carbonyldiimidazole, which is used for complexation and transfection of plasmid DNA<sup>[1]</sup>.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Mai K, et, al. Cationic dendronization of amylose via click chemistry for complexation and transfection of plasmid DNA. Int J Biol Macromol. 2015 Aug;79:209-16.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA