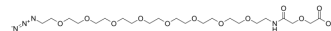


## 2-((Azido-PEG8-carbamoyl)methoxy)acetic acid

<b>Cat. No.:</b>	HY-140459	
<b>CAS No.:</b>	846549-37-9	
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>42</sub> N <sub>4</sub> O <sub>12</sub>	
<b>Molecular Weight:</b>	554.59	
<b>Target:</b>	PROTAC Linkers	
<b>Pathway:</b>	PROTAC	
<b>Storage:</b>	Pure form	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (180.31 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	<b>Preparing Stock Solutions</b>			1 mg	5 mg
		1 mM		1.8031 mL	9.0157 mL
		5 mM		0.3606 mL	1.8031 mL
	10 mM		0.1803 mL	0.9016 mL	
	Please refer to the solubility information to select the appropriate solvent.				
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (4.51 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.51 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (4.51 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

<b>Description</b>	2-((Azido-PEG8-carbamoyl)methoxy)acetic acid is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs [1].
<b>IC<sub>50</sub> &amp; Target</b>	PEGs
<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.

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## REFERENCES

[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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