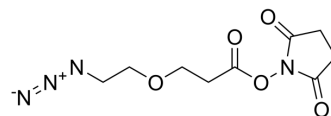


## Azido-PEG1-NHS ester

<b>Cat. No.:</b>	HY-140756
<b>CAS No.:</b>	1807530-06-8
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>12</sub> N <sub>4</sub> O <sub>5</sub>
<b>Molecular Weight:</b>	256.22
<b>Target:</b>	PROTAC Linkers
<b>Pathway:</b>	PROTAC
<b>Storage:</b>	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### BIOLOGICAL ACTIVITY

<b>Description</b>	Azido-PEG1-NHS ester is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs <sup>[1]</sup> . Azido-PEG1-NHS ester 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>	PEGs	Alkyl/ether
<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.	

### 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

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

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