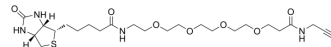


## Biotin-PEG4-amide-Alkyne

Cat. No.:	HY-140923		
CAS No.:	1006592-45-5		
Molecular Formula:	C <sub>24</sub> H <sub>40</sub> N <sub>4</sub> O <sub>7</sub> S		
Molecular Weight:	528.66		
Target:	PROTAC Linkers		
Pathway:	PROTAC		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

<b>Description</b>	Biotin-PEG4-amide-Alkyne is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs <sup>[1]</sup> . Biotin-PEG4-amide-Alkyne is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
<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.

### 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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