



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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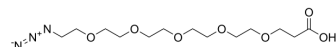
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## Azido-PEG5-acid

<b>Cat. No.:</b>	HY-130572		
<b>CAS No.:</b>	1425973-16-5		
<b>Molecular Formula:</b>	C <sub>13</sub> H <sub>25</sub> N <sub>3</sub> O <sub>7</sub>		
<b>Molecular Weight:</b>	335.35		
<b>Target:</b>	PROTAC Linkers; ADC Linker		
<b>Pathway:</b>	PROTAC; Antibody-drug Conjugate/ADC Related		
<b>Storage:</b>	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

<b>Description</b>	Azido-PEG5-acid is a PEG-based PROTAC linker can be used in the synthesis of PROTACs, such as the conjugate CPT-APO (CPT: Camptothecin (HY-16560)). Azido-PEG5-acid is a non-cleavable 5 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs) <sup>[1][2]</sup> . Azido-PEG5-acid 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	Non-cleavable Linker
<b>In Vitro</b>	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker. 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>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

### REFERENCES

- [1]. Zolotarskaya OY, et al. Click synthesis of a polyamidoamine dendrimer-based camptothecin prodrug. RSC Adv. 2015;5(72):58600-58608. Epub 2015 Jun 29.
- [2]. 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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