



# SZABO SCANDIC

Part of Europa Biosite

## 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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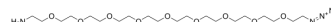
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## Azido-PEG9-amine

<b>Cat. No.:</b>	HY-130169		
<b>CAS No.:</b>	1207714-69-9		
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>42</sub> N <sub>4</sub> O <sub>9</sub>		
<b>Molecular Weight:</b>	482.57		
<b>Target:</b>	ADC Linker; PROTAC Linkers		
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related; PROTAC		
<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-PEG9-amine is a non-cleavable 9 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Azido-PEG9-amine is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs <sup>[1]</sup> . Azido-PEG9-amine 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>	Non-cleavable Linker	PEGs
<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. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

### REFERENCES

[1]. Lee SM, et al. "Clickable" polymer-caged nanobins as a modular drug delivery platform. J Am Chem Soc. 2009 Jul 8;131(26):9311-20.

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

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