



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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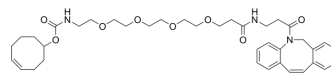
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## TCO-PEG4-DBCO

Cat. No.:	HY-140310	
CAS No.:	1801863-88-6	
Molecular Formula:	C <sub>38</sub> H <sub>49</sub> N <sub>3</sub> O <sub>8</sub>	
Molecular Weight:	675.81	
Target:	ADC Linker; PROTAC Linkers	
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC	
Storage:	Pure form	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



### BIOLOGICAL ACTIVITY

Description	TCO-PEG4-DBCO is a PEG-based PROTAC linker can be used in the synthesis of PROTACs. TCO-PEG4-DBCO is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs) <sup>[1]</sup> . TCO-PEG4-DBCO is a click chemistry reagent, it contains a DBCO group that can undergo strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing Azide groups. TCO-PEG4-DBCO also contains a TCO group that can undergo an inverse electron demand Diels-Alder reaction (IEDDA) with molecules containing Tetrazine groups.	
IC <sub>50</sub> & Target	Cleavable Linker	PEGs
In Vitro	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. ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

### REFERENCES

[1]. Rahim MK, et al. Enhancing reactivity for bioorthogonal pretargeting by unmasking antibody-conjugated trans-cyclooctenes. *Bioconjug Chem.* 2015 Feb 18;26(2):352-60.

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

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