



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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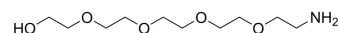
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## NH2-PEG5-OH

Cat. No.:	HY-129637
CAS No.:	34188-11-9
Molecular Formula:	C <sub>10</sub> H <sub>23</sub> NO <sub>5</sub>
Molecular Weight:	237.29
Target:	PROTAC Linkers; ADC Linker
Pathway:	PROTAC; Antibody-drug Conjugate/ADC Related
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (421.43 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	4.2143 mL	21.0713 mL	42.1425 mL
				5 mM	0.8429 mL	4.2143 mL	8.4285 mL
				10 mM	0.4214 mL	2.1071 mL	4.2143 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (10.54 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (10.54 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (10.54 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	NH2-PEG5-OH is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs <sup>[1]</sup> . NH2-PEG5-OH is also a non-cleavable 5 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs) <sup>[2]</sup> .	
IC <sub>50</sub> & Target	PEGs	Non-cleavable
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 <sup>[1]</sup> . ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

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## REFERENCES

- [1]. Nathanael Gray, et al. Bifunctional molecules for degradation of egfr and methods of use. WO2017185036A1.
- [2]. Nianhe Han, et al. Derivatives of dolastatin 10 and uses thereof. WO2016192527A1.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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