



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

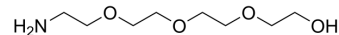
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Amino-PEG4-alcohol

Cat. No.:	HY-W008005
CAS No.:	86770-74-3
Molecular Formula:	C <sub>8</sub> H <sub>19</sub> NO <sub>4</sub>
Molecular Weight:	193.24
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 (517.49 mM)																										
	H <sub>2</sub> O : 100 mg/mL (517.49 mM); Need ultrasonic																										
	* "≥" means soluble, but saturation unknown.																										
	<table border="1"> <thead> <tr> <th rowspan="2">Preparing Stock Solutions</th> <th rowspan="2">Solvent Concentration</th> <th colspan="3">Mass</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td></td> <td>1 mM</td> <td>5.1749 mL</td> <td>25.8746 mL</td> <td>51.7491 mL</td> </tr> <tr> <td></td> <td>5 mM</td> <td>1.0350 mL</td> <td>5.1749 mL</td> <td>10.3498 mL</td> </tr> <tr> <td></td> <td>10 mM</td> <td>0.5175 mL</td> <td>2.5875 mL</td> <td>5.1749 mL</td> </tr> </tbody> </table>					Preparing Stock Solutions	Solvent Concentration	Mass			1 mg	5 mg	10 mg		1 mM	5.1749 mL	25.8746 mL	51.7491 mL		5 mM	1.0350 mL	5.1749 mL	10.3498 mL		10 mM	0.5175 mL	2.5875 mL
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Please refer to the solubility information to select the appropriate solvent.																											
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (517.49 mM); Clear solution; Need ultrasonic																										

### BIOLOGICAL ACTIVITY

Description	Amino-PEG4-alcohol is a PEG-based PROTAC linker can be used in the synthesis of PROTACs <sup>[1]</sup> . Amino-PEG4-alcohol is also a non-cleavable 4 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs) <sup>[2]</sup> .	
IC <sub>50</sub> & Target	PEGs	Non-cleavable Linker
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

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[1]. Nello Mainolfi, et al. Protein degraders and uses thereof. WO2019060742A1.

[2]. Miller MA, et al. Modular Nanoparticulate Prodrug Design Enables Efficient Treatment of Solid Tumors Using Bioorthogonal Activation. ACS Nano. 2018 Dec 26;12(12):12814-12826.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA