



# 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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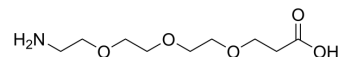
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## Amino-PEG3-C2-acid

<b>Cat. No.:</b>	HY-W040165
<b>CAS No.:</b>	784105-33-5
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>19</sub> NO <sub>5</sub>
<b>Molecular Weight:</b>	221.25
<b>Target:</b>	ADC Linker; PROTAC Linkers
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related; PROTAC
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (451.98 mM; ultrasonic and warming and heat to 60°C)					
	DMF : 3.33 mg/mL (15.05 mM; ultrasonic and warming and heat to 60°C)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		4.5198 mL	22.5989 mL	45.1977 mL
<b>5 mM</b>			0.9040 mL	4.5198 mL	9.0395 mL	
	<b>10 mM</b>		0.4520 mL	2.2599 mL	4.5198 mL	
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (11.30 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.30 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (11.30 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Amino-PEG3-C2-acid is a cleavable PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Amino-PEG3-C2-acid is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	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.	

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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]. Kevin HAMBLETT, et al. Anti-her2 biparatopic antibody-drug conjugates and methods of use. WO2019173911A1.

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

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