



# 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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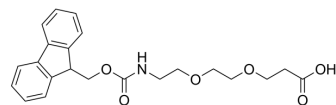
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## Fmoc-NH-PEG2-CH2CH2COOH

<b>Cat. No.:</b>	HY-W040238		
<b>CAS No.:</b>	872679-70-4		
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>25</sub> NO <sub>6</sub>		
<b>Molecular Weight:</b>	399.44		
<b>Target:</b>	ADC Linker; PROTAC Linkers		
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related; PROTAC		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (312.94 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.5035 mL	12.5175 mL	25.0350 mL
5 mM	0.5007 mL	2.5035 mL	5.0070 mL
10 mM	0.2504 mL	1.2518 mL	2.5035 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Fmoc-NH-PEG2-CH2CH2COOH is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Fmoc-NH-PEG2-CH2CH2COOH is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

Cleavable Linker      PEGs

#### In Vitro

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]. Fulcher JM, et al. Chemical synthesis of Shiga toxin subunit B using a next-generation traceless "helping hand" solubilizing tag. *Org Biomol Chem*. 2019 Dec

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

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