



# 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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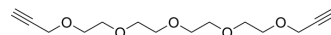
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## Bis-propargyl-PEG4

Cat. No.:	HY-120397		
CAS No.:	159428-42-9		
Molecular Formula:	C <sub>14</sub> H <sub>22</sub> O <sub>5</sub>		
Molecular Weight:	270.32		
Target:	PROTAC Linkers		
Pathway:	PROTAC		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (369.93 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.6993 mL	18.4966 mL	36.9932 mL
	5 mM	0.7399 mL	3.6993 mL	7.3986 mL
	10 mM	0.3699 mL	1.8497 mL	3.6993 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Bis-propargyl-PEG4 is a PEG-based PROTAC linker used in the synthesis of PROTACs. Bis-propargyl-PEG4 is used for the synthesis of demethylvancomycin dimers<sup>[1][2]</sup>. Bis-propargyl-PEG4 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

#### In Vitro

Bis-propargyl-PEG4 can be used in the synthesis of demethylvancomycin dimers against vancomycin-resistant enterococcus faecalis<sup>[2]</sup>.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Pearlie BURNETTE, et al. Dimeric immuno-modulatory compounds against cereblon-based mechanisms. WO2020014489A2.

[2]. Jiang, et al. Design, synthesis and biological activity of novel demethylvancomycin dimers against vancomycin-resistant enterococcus faecalis. Tetrahedron, 2018; 74(27), 3527–3533.

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

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