



# 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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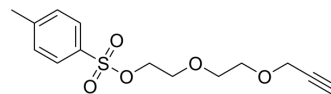
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## Tos-PEG2-O-Propargyl

<b>Cat. No.:</b>	HY-130162		
<b>CAS No.:</b>	1119249-30-7		
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>18</sub> O <sub>5</sub> S		
<b>Molecular Weight:</b>	298.35		
<b>Target:</b>	PROTAC Linkers		
<b>Pathway:</b>	PROTAC		
<b>Storage:</b>	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

Ethanol : 50 mg/mL (167.59 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.3518 mL	16.7588 mL	33.5177 mL
	5 mM	0.6704 mL	3.3518 mL	6.7035 mL
	10 mM	0.3352 mL	1.6759 mL	3.3518 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Tos-PEG2-O-Propargyl is a PEG-based PROTAC linker can be used in the synthesis of Thalidomide-O-PEG2-propargyl (HY-126458)<sup>[1]</sup>. Tos-PEG2-O-Propargyl is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

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

PEGs

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

### REFERENCES

[1]. Wurz RP, et al. A "Click Chemistry Platform" for the Rapid Synthesis of Bispecific Molecules for Inducing Protein Degradation. J Med Chem. 2018 Jan 25;61(2):453-461.

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

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