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Produktinformation



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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

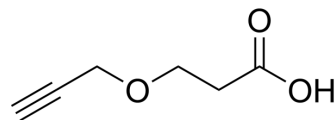
mail@szabo-scandic.com

www.szabo-scandic.com

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

Propargyl-PEG1-acid

Cat. No.:	HY-130504		
CAS No.:	55683-37-9		
Molecular Formula:	C ₆ H ₈ O ₃		
Molecular Weight:	128.13		
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 : 50 mg/mL (390.23 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	7.8046 mL	39.0229 mL	78.0457 mL
	5 mM	1.5609 mL	7.8046 mL	15.6091 mL
	10 mM	0.7805 mL	3.9023 mL	7.8046 mL

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

BIOLOGICAL ACTIVITY

Description

Propargyl-PEG1-acid is a PEG-based PROTAC linker can be used in the synthesis of BTK-CRBN PROTACs Ibrutinib(HY-10997)-based PROTAC 4 and PROTAC 5. PROTAC 5 causes the degradation of BTK and induces the degradation of CSK, LYN, and LAT2 at 10 μM^[1]. Propargyl-PEG1-acid is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

IC₅₀ & Target

PEGs

In Vitro

BTK-CRBN PROTACs act as stoichiometric degraders, resulting in degradation of BTK protein. Degradation of BTK is a result of cereblon E3 ligases family recruitment^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

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- Biochem Biophys Res Commun. 21 July 2022.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Tinworth CP, et al. PROTAC-Mediated Degradation of Bruton's Tyrosine Kinase Is Inhibited by Covalent Binding. ACS Chem Biol. 2019 Mar 15;14(3):342-347.

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

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