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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

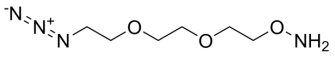
mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

Aminooxy-PEG2-azide

Cat. No.:	HY-113931
CAS No.:	1043426-13-6
Molecular Formula:	$C_6H_{14}N_4O_3$
Molecular Weight:	190.2
Target:	PROTAC Linkers; ADC Linker
Pathway:	PROTAC; Antibody-drug Conjugate/ADC Related
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (525.76 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	5.2576 mL	26.2881 mL	52.5762 mL
	5 mM	1.0515 mL	5.2576 mL	10.5152 mL
	10 mM	0.5258 mL	2.6288 mL	5.2576 mL

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

BIOLOGICAL ACTIVITY

Description

Aminooxy-PEG2-azide is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1]. Aminooxy-PEG2-azide is also a non-cleavable 2 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[2]. Aminooxy-PEG2-azide is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAc) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.

IC_{50} & Target		
	PEGs	Non-cleavable Linker

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[1]. ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[2].

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

REFERENCES

[1]. H. Tetsuo Uyeda, et al. Synthesis of surface ligands to prepare hydrophilic and biologically compatible quantum dots. doi: 10.1117/12.590494.

[2]. Song, Ho Young, et al. Pyrrolobenzodiazepine dimer precursor and ligand-linker conjugate compound thereof.

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