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Produktinformation

- Forschungsprodukte & Biochemikalien
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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

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

Propargyl-PEG3-acid

Cat. No.: HY-126975

CAS No.: 1347760-82-0

Molecular Formula: $C_{10}H_{16}O_5$

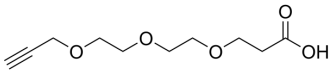
Molecular Weight: 216.23

Target: ADC Linker; PROTAC Linkers

Pathway: Antibody-drug Conjugate/ADC Related; 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 (462.47 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	4.6247 mL	23.1235 mL	46.2471 mL
	5 mM	0.9249 mL	4.6247 mL	9.2494 mL
	10 mM	0.4625 mL	2.3124 mL	4.6247 mL

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

BIOLOGICAL ACTIVITY

Description

Propargyl-PEG3-acid is a non-cleavable (3 unit PEG) ADC linker and also a PEG-based PROTAC linker that can be used to synthesis 6-OHDA-PEG3-yne. 6-OHDA-PEG3-yne contains 6-OHDA (HY-B1081, HY-B1081A) and Propargyl-PEG3-acid[1]. Propargyl-PEG3-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.

IC_{50} & Target		
	PEGs	Non-cleavable Linker

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]. Farzam A, et al. A functionalized hydroxydopamine quinone links thiol modification to neuronal cell death. Redox Biol. 2020 Jan;28:101377.

[2]. Albone, Earl F, et al. ERIBULIN-BASED ANTIBODY-DRUG CONJUGATES AND METHODS OF USE. Patent. 20170252458.

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