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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Propargyl-PEG2-amine

Cat. No.: HY-W051634

CAS No.: 944561-44-8

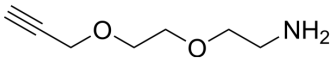
Molecular Formula: $C_7H_{13}NO_2$

Molecular Weight: 143.18

Target: ADC Linker; PROTAC Linkers

Pathway: Antibody-drug Conjugate/ADC Related; PROTAC

Storage: 4°C, protect from light, stored under nitrogen
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (698.42 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	6.9842 mL	34.9211 mL	69.8422 mL
	5 mM	1.3968 mL	6.9842 mL	13.9684 mL
	10 mM	0.6984 mL	3.4921 mL	6.9842 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (17.46 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (17.46 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Propargyl-PEG2-amine is a non-cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Propargyl-PEG2-amine is a PEG-based PROTAC linker can be used in the synthesis of PROTACs[1][2]. Propargyl-PEG2-amine 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		
	Non-cleavable Linker	PEGs

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]. Changchun Wang, et al. A kind of antibody coupling matter and its construction method containing boron ester units polymer. CN108721642A.

[2]. Guangrong Zheng, et al. Bcl-2 proteins degraders for cancer treatment. WO2019144117A1.

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