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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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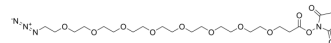
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Azido-PEG8-NHS ester

Cat. No.:	HY-130184
CAS No.:	1204834-00-3
Molecular Formula:	C ₂₃ H ₄₀ N ₄ O ₁₂
Molecular Weight:	564.58
Target:	ADC Linker; PROTAC Linkers
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Storage:	Pure form -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (177.12 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg			5 mg			10 mg		
			Concentration			Concentration			Concentration		
1 mM			1.7712 mL			8.8561 mL			17.7123 mL		
5 mM			0.3542 mL			1.7712 mL			3.5425 mL		
10 mM			0.1771 mL			0.8856 mL			1.7712 mL		

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (4.43 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (4.43 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (4.43 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Azido-PEG8-NHS ester is a cleavable 8 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)^[1]. Azido-PEG8-NHS ester is also a PEG- and Alkyl/ether-based PROTAC linker that can be used in the synthesis of PROTACs^[2]. Azido-PEG8-NHS ester is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.

IC₅₀ & Target

PEGs	Alkyl/ether	Cleavable Linker
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In Vitro

ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker^[1]. 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^[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Mahendra Persaud Deonarain, et al. Biological materials and uses thereof. WO2016046574A1.

[2]. Rong Yuan, et al. Viruslike Element-Tagged Nanoparticle Inductively Coupled Plasma Mass Spectrometry Signal Multiplier: Membrane Biomarker Mediated Cell Counting. Analytical Chemistry (Washington, DC, United States) (2019), 91(8), 4948-4952.

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

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