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Produktinformation



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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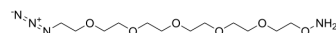
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Aminoxy-PEG5-azide

Cat. No.:	HY-130507
CAS No.:	1919045-02-5
Molecular Formula:	C ₁₂ H ₂₆ N ₄ O ₆
Molecular Weight:	322.36
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (310.21 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
1 mM		3.1021 mL	15.5106 mL	31.0212 mL
5 mM		0.6204 mL	3.1021 mL	6.2042 mL
10 mM		0.3102 mL	1.5511 mL	3.1021 mL

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

BIOLOGICAL ACTIVITY

Description

Aminoxy-PEG5-azide is a PEG-based PROTAC linker can be used in the synthesis of PROTACs^[1]. Aminoxy-PEG5-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.

IC₅₀ & Target

PEGs

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

REFERENCES

[1]. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562.

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

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