Azido-PEG2-CH2COOH

Cat. No.: HY-108368

CAS No.: 882518-90-3

Molecular Formula: $C_6H_{11}N_3O_4$

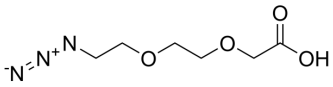
Molecular Weight: 189

Target: PROTAC Linkers

Pathway: 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 (529.10 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	5.2910 mL	26.4550 mL	52.9101 mL
	5 mM	1.0582 mL	5.2910 mL	10.5820 mL
	10 mM	0.5291 mL	2.6455 mL	5.2910 mL

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

BIOLOGICAL ACTIVITY

Description

Azido-PEG2-CH2COOH is a PEG-based PROTAC linker can be used in the synthesis of PROTACs[1]. Azido-PEG2-CH2COOH 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

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]. Yimin Qian, et al. Composés et procédés pour la dégradation ciblée de protéines contenant un bromodomaine. WO2017030814A1.

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