Propargyl-PEG4-amine

Cat. No.: HY-114670

CAS No.: 1013921-36-2

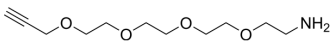
Molecular Formula: $C_{11}H_{21}NO_4$

Molecular Weight: 231.29

Target: PROTAC Linkers

Pathway: PROTAC

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



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (216.18 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	4.3236 mL	21.6179 mL	43.2358 mL
	5 mM	0.8647 mL	4.3236 mL	8.6472 mL
	10 mM	0.4324 mL	2.1618 mL	4.3236 mL

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

BIOLOGICAL ACTIVITY

Description

Propargyl-PEG4-amine is a PEG-based PROTAC linker can be used in the synthesis of PROTACs. Propargyl-PEG4-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

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

REFERENCES

[1]. Banerjee SR, et al. ^{111}In- and IRDye800CW-Labeled PLA-PEG Nanoparticle for Imaging Prostate-Specific MembraneAntigen-Expressing Tissues. Biomacromolecules. 2017 Jan 9;18(1):201-209.

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

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