Propargyl-PEG2-OH

Cat. No.: HY-130541

CAS No.: 7218-43-1

Molecular Formula: $C_7H_{12}O_3$

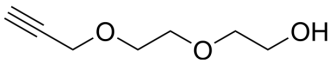
Molecular Weight: 144.17

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

Ethanol : ≥ 100 mg/mL (693.63 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Concentration \ Solvent, Mass	1 mg	5 mg	10 mg
1 mM	6.9363 mL	34.6813 mL	69.3626 mL
5 mM	1.3873 mL	6.9363 mL	13.8725 mL
10 mM	0.6936 mL	3.4681 mL	6.9363 mL

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

BIOLOGICAL ACTIVITY

Description

Propargyl-PEG2-OH is a PEG-based PROTAC linker can be used in the synthesis of Thalidomide-O-PEG2-propargyl (HY-126458)[1]. Propargyl-PEG2-OH 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[1].

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

REFERENCES

[1]. Wurz RP, et al. A "Click Chemistry Platform" for the Rapid Synthesis of Bispecific Molecules for Inducing Protein Degradation. J Med Chem. 2018 Jan 25;61(2):453-461.

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