Lenalidomide-PEG1-azide

Cat. No.: HY-133139

CAS No.: 2185795-67-7

Molecular Formula: $C_{17}H_{18}N_6O_5$

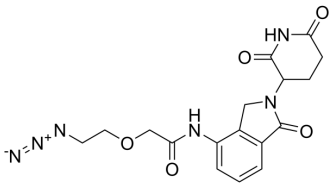
Molecular Weight: 386.36

Target: E3 Ligase Ligand-Linker Conjugates

Pathway: PROTAC

Storage:

Powder	-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 (258.83 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.5883 mL	12.9413 mL	25.8826 mL
	5 mM	0.5177 mL	2.5883 mL	5.1765 mL
	10 mM	0.2588 mL	1.2941 mL	2.5883 mL

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

BIOLOGICAL ACTIVITY

Description

Lenalidomide-PEG1-azide is a E3 ligase lgand-linker conjugate. Lenalidomide-PEG1-azide incorporates the Lenalidomide based cereblon ligand and a linker.?Lenalidomide-PEG1-azide?can be used to design a PROTAC BRD4 Degrader-2 (HY-133136)[1]. Lenalidomide-PEG1-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.

REFERENCES

[1]. Zhang F, et al. Discovery of a new class of PROTAC BRD4 degraders based on a dihydroquinazolinone derivative and lenalidomide/pomalidomide. Bioorg Med Chem. 2020 Jan 1;28(1):115228.

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