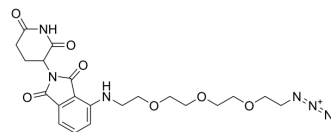


Pomalidomide 4'-PEG3-azide

Cat. No.:	HY-130652		
CAS No.:	2271036-46-3		
Molecular Formula:	C ₂₁ H ₂₆ N ₆ O ₇		
Molecular Weight:	474.47		
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



BIOLOGICAL ACTIVITY

Description

Pomalidomide 4'-PEG3-azide is a synthesized E3 ligase ligand-linker conjugate that incorporates the Pomalidomide-based cereblon ligand and a linker. Pomalidomide 4'-PEG3-azide can be used for the synthesis of iRucaparib-TP3 (Compound 3). iRucaparib-TP3 is a highly efficient PARP1 degrader based on Rucaparib by using the PROTAC approach^[1]. Pomalidomide 4'-PEG3-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

Cereblon

REFERENCES

[1]. Shuai Wang, et al. Uncoupling of PARP1 trapping and inhibition using selective PARP1 degradation. Nat Chem Biol. 2019 Dec;15(12):1223-1231.

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