

Product Name : Pomalidomide 4'-PEG3-azide

Synonyms : —

Cat No. : M35159

CAS Number : 2271036-46-3

Molecular Formula : C₂₁H₂₆N₆O₇

Formula Weight : 474.47

Chemical Name : —

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. 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.

Pathway : Others

Target : Other Targets

Receptor : E3 Ligase Ligand-Linker Conjugate

Solubility : —

SMILES : [N-]=[N+]=NCCOCCOCCOCCNC1=CC=CC=2C(=O)N(C(=O)C12)C3C(=O)NC(=O)CC3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

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