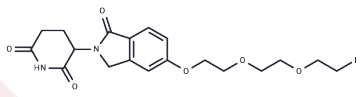
Data Sheet (Cat.No.T18068)

TargetMol

Lenalidomide-PEG3-iodine

Chemical Properties



CAS No. :

Formula: C19H23IN2O6

Molecular Weight: 502.3

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Lenalidomide-PEG3-iodine, an E3 ligase ligand-linker conjugate, consists of a cereblon-based Lenalidomide ligand and a 3-unit polyethylene glycol (PEG) linker. This compound is utilized in creating various proteolysis targeting chimeras (PROTACs), including the highly effective PROTAC BTK degrader SJF620, which has a degradation concentration 50 (DC50) of 7.9 nM[1].
Targets(IC50)	Others,E3 Ligase Ligand-Linker Conjugates,PROTAC Linker
In vitro	Lenalidomide acts as a recruiter for the E3 ubiquitin ligase substrate adaptor Cereblon (CRBN). SJF620, a powerful PROTAC BTK degrader, integrates a BTK inhibitor with Lenalidomide via a linker, demonstrating its potent degradative capabilities[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9908 mL	9.9542 mL	19.9084 mL
5 mM	0.3982 mL	1.9908 mL	3.9817 mL
10 mM	0.1991 mL	0.9954 mL	1.9908 mL
50 mM	0.0398 mL	0.1991 mL	0.3982 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Jaime-Figueroa S, et al. Design, synthesis and biological evaluation of Proteolysis Targeting Chimeras (PROTACs) as a BTK degraders with improved pharmacokinetic properties. Bioorg Med Chem Lett. 2020 Feb 1;30(3):126877.

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