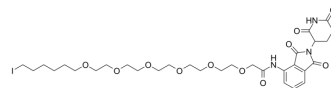


Pomalidomide-PEG6-butyl iodide

Cat. No.:	HY-136156		
CAS No.:	1835705-74-2		
Molecular Formula:	C ₃₁ H ₄₄ IN ₃ O ₁₁		
Molecular Weight:	761.6		
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 (131.30 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.3130 mL	6.5651 mL	13.1303 mL
5 mM	0.2626 mL	1.3130 mL	2.6261 mL
10 mM	0.1313 mL	0.6565 mL	1.3130 mL

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

BIOLOGICAL ACTIVITY

Description

Pomalidomide-PEG6-butyl iodide is a synthesized E3 ligase ligand-linker conjugate that incorporates the Pomalidomide based cereblon ligand and 6-unit PEG linker used in PROTAC technology^[1].

IC₅₀ & Target

Cereblon

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]. Lai AC, et al. Modular PROTAC Design for the Degradation of Oncogenic BCR-ABL. *Angew Chem Int Ed Engl.* 2016 Jan 11;55(2):807-10.

Caution: Product has not been fully validated for medical applications. For research use only.

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