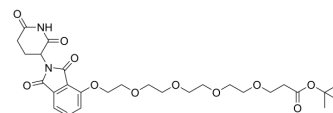


## Thalidomide-O-PEG4-Boc

Cat. No.:	HY-141014
CAS No.:	2411681-87-1
Molecular Formula:	C <sub>28</sub> H <sub>38</sub> N <sub>2</sub> O <sub>11</sub>
Molecular Weight:	578.61
Target:	E3 Ligase Ligand-Linker Conjugates; Apoptosis; Autophagy
Pathway:	PROTAC; Apoptosis; Autophagy
Storage:	<div>Pure form    -20°C    3 years</div> <div>                  4°C        2 years</div> <div>In solvent    -80°C    6 months</div> <div>                  -20°C    1 month</div>



### BIOLOGICAL ACTIVITY

Description	Thalidomide-O-PEG4-Boc is a synthesized E3 ligase ligand-linker conjugate that incorporates the Thalidomide based cereblon ligand and a linker used in PROTAC technology.
IC <sub>50</sub> & 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 <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

**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