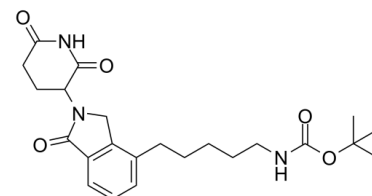


Data Sheet

Product Name:	Lenalidomide-C5-amido-Boc
Cat. No.:	CS-0214500
CAS No.:	2138441-25-3
Molecular Formula:	C ₂₃ H ₃₁ N ₃ O ₅
Molecular Weight:	429.51
Target:	E3 Ligase Ligand-Linker Conjugates
Pathway:	PROTAC
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

Lenalidomide-C5-amido-Boc is the Lenalidomide-based Cereblon ligand used in the recruitment of CRBN protein. Lenalidomide-C5-amido-Boc can be connected to the ligand for protein by a linker to form PROTAC^[1].

References:

- [1]. Wang, Shaomeng, et al. Preparation of phthalimide-based compounds as monofunctional intermediates for ligand-dependent target protein degradation. World Intellectual Property Organization, WO2017176958 A1 2017-10-12.
- [2]. Robbins, Daniel, et al. WBifunctional compounds for degrading BTK via ubiquitin proteasome pathway. World Intellectual Property Organization, WO2021091575 A1 2021-05-14.

CAIndexNames:

Carbamic acid, N-[5-[2-(2,6-dioxo-3-piperidiny)-2,3-dihydro-1-oxo-1H-isoindol-4-yl]pentyl]-, 1,1-dimethylethyl ester

SMILES:

O=C(OC(C)(C)C)NCCCCC1=CC=CC2=C1CN(C(CC3)C(NC3=O)=O)C2=O

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

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