Lenalidomide-C5-NH2 hydrochloride

Cat. No.: HY-122725B

CAS No.: 2595367-27-2

Molecular Formula: $C_{18}H_{24}ClN_3O_3$

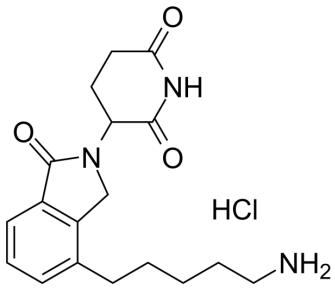
Molecular Weight: 365.85

Target: E3 Ligase Ligand-Linker Conjugates

Pathway: PROTAC

Storage: 4°C, sealed storage, away from moisture

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (136.67 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.7334 mL	13.6668 mL	27.3336 mL
	5 mM	0.5467 mL	2.7334 mL	5.4667 mL
	10 mM	0.2733 mL	1.3667 mL	2.7334 mL

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

BIOLOGICAL ACTIVITY

Description

Lenalidomide-C5-NH2 hydrochloride is the Lenalidomide-based Cereblon ligand used in the recruitment of CRBN protein. Lenalidomide-C5-NH2 can be connected to the ligand for protein by a linker to form PROTACs, such as MDM2 PROTAC degrader[1][2].

IC_{50} & Target

Cereblon

REFERENCES

[1]. Zhou B, et al. Discovery of a Small-Molecule Degrader of Bromodomain and Extra-Terminal (BET) Proteins with Picomolar Cellular Potencies and Capable of Achieving Tumor Regression. J Med Chem. 2018 Jan 25;61(2):462-481.

[2]. Yangbing Li, et al. Discovery of MD-224 as a First-in-Class, Highly Potent, and Efficacious Proteolysis Targeting Chimera Murine Double Minute 2 Degrader Capable of Achieving Complete and Durable Tumor Regression. J Med Chem. 2019 Jan 24;62(2):448-466.

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

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