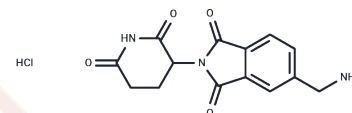


Thalidomide-5-CH<sub>2</sub>-NH<sub>2</sub> hydrochloride

## Chemical Properties

CAS No. :	1010100-22-7
Formula:	C <sub>14</sub> H <sub>14</sub> ClN <sub>3</sub> O <sub>4</sub>
Molecular Weight:	323.73
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Thalidomide-5-CH <sub>2</sub> -NH <sub>2</sub> (hydrochloride) is a Thalidomide derivative that acts as a cereblon ligand for CRBN protein recruitment. This compound can be linked to a protein ligand via a linker to form PROTACs.
Targets(IC50)	Apoptosis,Others,Autophagy,E3 Ligase Ligand-Linker Conjugates
In vitro	PROTACs consist of two ligands linked together: one binding to an E3 ubiquitin ligase and the other to the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.089 mL	15.445 mL	30.8899 mL
5 mM	0.6178 mL	3.089 mL	6.178 mL
10 mM	0.3089 mL	1.5445 mL	3.089 mL
50 mM	0.0618 mL	0.3089 mL	0.6178 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

Makbul C, Nassal M, Böttcher B. Slowly folding surface extension in the prototypic avian hepatitis B virus capsid governs stability. *Elife*. 2020;9:e57277. Published 2020 Aug 14.

Sato T, Ito T, Handa H. Cereblon-Based Small-Molecule Compounds to Control Neural Stem Cell Proliferation in Regenerative Medicine. *Front Cell Dev Biol*. 2021;9:629326. Published 2021 Mar 11.

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