

## Lenalidomide-I

## Chemical Properties

CAS No. :	2207541-30-6
Formula:	C <sub>13</sub> H <sub>11</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	370.142
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	Lenalidomide-I (Compound 72) is a derivative of the cereblon (CRBN) ligand, Lenalidomide, with affinity for E3 ubiquitin ligase. It facilitates the recruitment of CRBN protein. Lenalidomide-I can be utilized in PROTACs, such as the PROTAC BET degrader QCA570, by linking it to the targeted protein ligand through a linker.
Targets(IC50)	Others,Ligands for E3 Ligase
In vitro	Lenalidomide-I can be linked to a protein ligand via a linker to create PROTACs, which are agents that induce the ubiquitination-mediated degradation of proteins that promote cancer[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7017 mL	13.5084 mL	27.0168 mL
5 mM	0.5403 mL	2.7017 mL	5.4034 mL
10 mM	0.2702 mL	1.3508 mL	2.7017 mL
50 mM	0.054 mL	0.2702 mL	0.5403 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

Qin C, et, al. Discovery of QCA570 as an Exceptionally Potent and Efficacious Proteolysis Targeting Chimera (PROTAC) Degradator of the Bromodomain and Extra-Terminal (BET) Proteins Capable of Inducing Complete and Durable Tumor Regression. J Med Chem. 2018 Aug 9;61(15):6685-6704.

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