

Thalidomide-O-COOH

Chemical Properties

CAS No. : 1061605-21-7

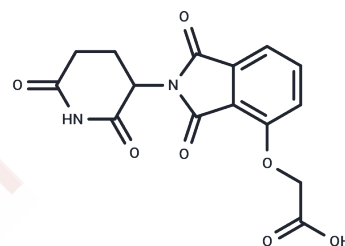
Formula: C₁₅H₁₂N₂O₇

Molecular Weight: 332.27

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Thalidomide-O-COOH (Cereblon ligand 3) is a Thalidomide-based Cereblon ligand utilized for recruiting the CRBN protein and can be linked to a protein ligand via a linker to create PROTACs.
Targets(IC50)	Apoptosis, Autophagy, Ligands for E3 Ligase

Solubility Information

Solubility	DMSO: 42 mg/mL (126.4 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.02 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0096 mL	15.048 mL	30.096 mL
5 mM	0.6019 mL	3.0096 mL	6.0192 mL
10 mM	0.301 mL	1.5048 mL	3.0096 mL
50 mM	0.0602 mL	0.301 mL	0.6019 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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