

## Pomalidomide-PEG2-COOH

## Chemical Properties

CAS No. : 2140807-17-4

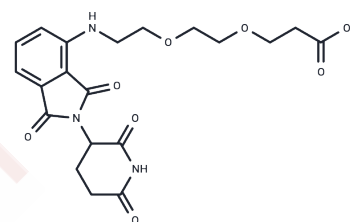
Formula: C<sub>20</sub>H<sub>23</sub>N<sub>3</sub>O<sub>8</sub>

Molecular Weight: 433.41

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	Pomalidomide-PEG2-COOH is a synthetic E3 ligase ligand-linker conjugate containing a Pomalidomide-based cereblon ligand and a 2-unit PEG linker.
Targets(IC50)	E3 Ligase Ligand-Linker Conjugates
In vitro	PROTACs contain two distinct ligands, one for the E3 ubiquitin ligase and the other for the target protein, linked by a linker[1].

## Solubility Information

Solubility	DMSO: 200 mg/mL (461.46 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: 5 mg/mL (11.54 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	2.3073 mL	11.5364 mL	23.0728 mL
5 mM	0.4615 mL	2.3073 mL	4.6146 mL
10 mM	0.2307 mL	1.1536 mL	2.3073 mL
50 mM	0.0461 mL	0.2307 mL	0.4615 mL

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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

Qiu X, et al. Jiang B. Chemoselective Synthesis of Lenalidomide-Based PROTAC Library Using Alkylation Reaction. Org Lett. 2019;21(10):3838-3841.

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