

Pomalidomide-PEG3-CO2H

Chemical Properties

CAS No. : 2138440-82-9

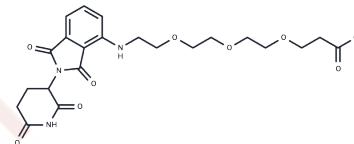
Formula: C22H27N3O9

Molecular Weight: 477.46

Store at low temperature

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-PEG3-CO2H (Thalidomide-NH-PEG3-propionic acid) is a synthesized E3 ligase ligand-linker conjugate. Pomalidomide-PEG3-CO2H incorporates the Thalidomide based cereblon ligand and 3-unit PEG linker used in PROTAC technology.
Targets(IC50)	Apoptosis, Autophagy, E3 Ligase Ligand-Linker Conjugates

Solubility Information

Solubility	DMSO: 100 mg/mL (209.44 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: 4 mg/mL (8.38 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	2.0944 mL	10.4721 mL	20.9442 mL
5 mM	0.4189 mL	2.0944 mL	4.1888 mL
10 mM	0.2094 mL	1.0472 mL	2.0944 mL
50 mM	0.0419 mL	0.2094 mL	0.4189 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

David Remillard, et al. Degradation of the BAF Complex Factor BRD9 by Heterobifunctional Ligands. 2017 May 15; 56(21):5738-5743.

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