

## Thalidomide-O-amido-C4-N3

## Chemical Properties

CAS No. : 2098488-36-7

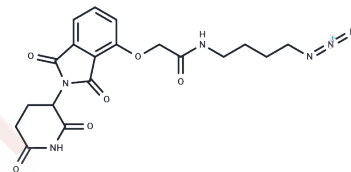
Formula: C<sub>19</sub>H<sub>20</sub>N<sub>6</sub>O<sub>6</sub>

Molecular Weight: 428.4

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-amido-C4-N3 (Cereblon Ligand-Linker Conjugates 4) is an E3 ligase ligand-linker conjugate incorporating the Thalidomide-based cereblon ligand and a linker.
Targets(IC50)	Apoptosis, Autophagy, E3 Ligase Ligand-Linker Conjugates, Ligands for E3 Ligase

## Solubility Information

Solubility	DMSO: 40 mg/mL (93.37 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 (4.67 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	2.3343 mL	11.6713 mL	23.3427 mL
5 mM	0.4669 mL	2.3343 mL	4.6685 mL
10 mM	0.2334 mL	1.1671 mL	2.3343 mL
50 mM	0.0467 mL	0.2334 mL	0.4669 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

Schiedel M, et al. Chemically Induced Degradation of Sirtuin 2 (Sirt2) by a Proteolysis Targeting Chimera (PROTAC) Based on Sirtuin Rearranging Ligands (SirReals). J Med Chem. 2018 Jan 25;61(2):482-491.

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