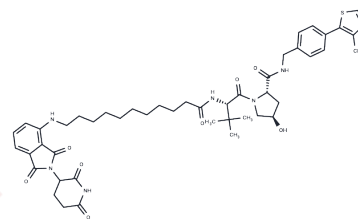


TD-165

Chemical Properties

CAS No. : 2305936-56-3
Formula: C₄₆H₅₉N₇O₈
Molecular Weight: 870.07
Appearance: no data available
Storage: store at low temperature
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	TD-165, a PROTAC-based cereblon (CRBN) degrader, consists of a cereblon (CRBN) ligand-binding group, a linker, and a von Hippel-Landau (VHL) binding group[1].
Targets(IC50)	Others,Ligand for E3 Ligase,PROTACs
In vitro	Administration of 0.1-10 μ M TD-165 for 24 hours resulted in a concentration-dependent decrease in CRBN protein levels in HEK293T cells[1]. Administration of 0-100 nM TD-165 for 24 hours showed a 50% degradation concentration (DC50) of 20.4 μ nM and a maximum degradation (Dmax) value of 99.6%[1].

Solubility Information

Solubility	DMSO: 40 mg/mL (110.38 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1493 mL	5.7467 mL	11.4933 mL
5 mM	0.2299 mL	1.1493 mL	2.2987 mL
10 mM	0.1149 mL	0.5747 mL	1.1493 mL
50 mM	0.023 mL	0.1149 mL	0.2299 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.

Reference

Kim K, et al. Disordered region of cereblon is required for efficient degradation by proteolysis-targeting chimera. Sci Rep. 2019 Dec 23;9(1):19654.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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