

Thalidomide-5-methyl

Chemical Properties

CAS No. : 40313-92-6

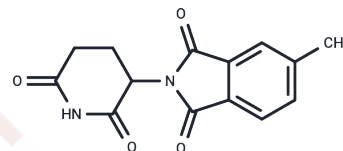
Formula: C₁₄H₁₂N₂O₄

Molecular Weight: 272.26

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-5-methyl is a Thalidomide-based cereblon (CRBN) ligand used for the recruitment of CRBN protein.
Targets(IC50)	Apoptosis, Autophagy, Ligands for E3 Ligase
In vitro	PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins by containing two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, and the other targets the desired protein [1].

Solubility Information

Solubility	DMSO: 50 mg/mL (183.65 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.673 mL	18.3648 mL	36.7296 mL
5 mM	0.7346 mL	3.673 mL	7.3459 mL
10 mM	0.3673 mL	1.8365 mL	3.673 mL
50 mM	0.0735 mL	0.3673 mL	0.7346 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

George W. Muller, et al. Substituted 2-(2,6 dioxo-3-fluoropiperidin-3-yl)-isoindolines and method of reducing TNF α levels. Patent US5874448A.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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