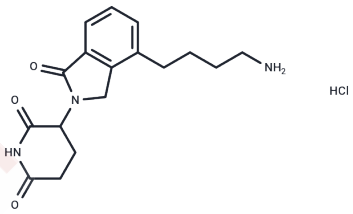
Data Sheet (Cat.No.T17878)

TargetMol

Lenalidomide-C4-NH2 hydrochloride

Chemical Properties



CAS No. :

Formula: C17H22ClN3O3

Molecular Weight: 351.83

Storage: Keep away from direct sunlight
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	Lenalidomide-C4-NH2 hydrochloride is a Cereblon ligand derived from Lenalidomide. It serves as a recruiting agent for the CRBN protein. The compound, known as PROTAC (Compound 24), can be formed by linking Lenalidomide-C4-NH2 hydrochloride to the ligand for the protein. It exhibits inhibitory effects with IC50s of 0.98 nM and 13.7 nM against the growth of RS4;11 and MOLM-13 acute leukemia cell lines, respectively[1].
Targets(IC50)	Others,E3 Ligase Ligand-Linker Conjugates,PROTAC Linker

Solubility Information

Solubility	DMSO: 130 mg/mL (369.5 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: 3.3 mg/mL (9.38 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8423 mL	14.2114 mL	28.4228 mL
5 mM	0.5685 mL	2.8423 mL	5.6846 mL
10 mM	0.2842 mL	1.4211 mL	2.8423 mL
50 mM	0.0568 mL	0.2842 mL	0.5685 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

Zhou B, et al. Discovery of a Small-Molecule Degrader of Bromodomain and Extra-Terminal (BET) Proteins with Picomolar Cellular Potencies and Capable of Achieving Tumor Regression. J Med Chem. 2018 Jan 25;61(2):462-481.