

Thalidomide 4-fluoride

Chemical Properties

CAS No. : 835616-60-9

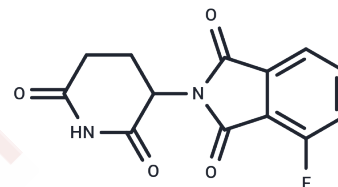
Formula: C₁₃H₉FN₂O₄

Molecular Weight: 276.22

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 4-fluoride (E3 ligase Ligand 4) (Cereblon ligand 4) is the Thalidomide-based Cereblon ligand. Thalidomide 4-fluoride can be used in the recruitment of CRBN protein. Thalidomide 4-fluoride (Cereblon ligand 4) can be connected to the ligand for IRAK4 protein by a linker to form PROTAC IRAK4 degrader-1.
Targets(IC50)	Apoptosis, Autophagy, Ligands for E3 Ligase, IRAK

Solubility Information

Solubility	DMSO: 199 mg/mL (720.44 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	3.6203 mL	18.1015 mL	36.203 mL
5 mM	0.7241 mL	3.6203 mL	7.2406 mL
10 mM	0.362 mL	1.8102 mL	3.6203 mL
50 mM	0.0724 mL	0.362 mL	0.7241 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

Nello Mainolfi, et al. Irak degraders and uses thereof. US20190192668A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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