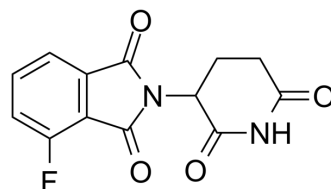


## Thalidomide 4-fluoride

<b>Cat. No.:</b>	HY-41547		
<b>CAS No.:</b>	835616-60-9		
<b>Molecular Formula:</b>	C <sub>13</sub> H <sub>9</sub> FN <sub>2</sub> O <sub>4</sub>		
<b>Molecular Weight:</b>	276.22		
<b>Target:</b>	Ligands for E3 Ligase		
<b>Pathway:</b>	PROTAC		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 200 mg/mL (724.06 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.6203 mL	18.1015 mL	36.2030 mL
	5 mM	0.7241 mL	3.6203 mL	7.2406 mL
	10 mM	0.3620 mL	1.8102 mL	3.6203 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Thalidomide 4-fluoride (Cereblon ligand 4) is the Thalidomide-based Cereblon ligand 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 (HY-129966)<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

Cereblon

### REFERENCES

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

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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