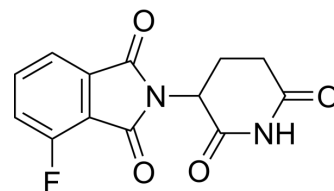


Thalidomide 4-fluoride

Cat. No.:	HY-41547		
CAS No.:	835616-60-9		
Molecular Formula:	C ₁₃ H ₉ FN ₂ O ₄		
Molecular Weight:	276.22		
Target:	E3 Ligase Ligand-Linker Conjugates; Apoptosis; Autophagy		
Pathway:	PROTAC; Apoptosis; Autophagy		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 300 mg/mL (1086.09 mM; Need ultrasonic)

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)^[1].

IC₅₀ & Target

Cereblon

REFERENCES

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

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

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