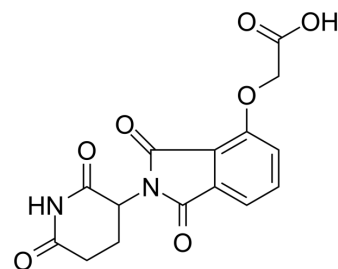


Thalidomide-O-COOH

Cat. No.:	HY-103597
CAS No.:	1061605-21-7
Molecular Formula:	C ₁₅ H ₁₂ N ₂ O ₇
Molecular Weight:	332.26
Target:	Ligands for E3 Ligase
Pathway:	PROTAC
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 42 mg/mL (126.41 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.0097 mL	15.0485 mL	30.0969 mL
	5 mM	0.6019 mL	3.0097 mL	6.0194 mL
	10 mM	0.3010 mL	1.5048 mL	3.0097 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (6.26 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (6.26 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (6.26 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Thalidomide-O-COOH (Cereblon ligand 3) is the Thalidomide-based Cereblon ligand used in the recruitment of CRBN protein. Thalidomide-O-COOH (Cereblon ligand 3) can be connected to the ligand for protein by a linker to form PROTACs^[1].

IC₅₀ & Target

Cereblon

CUSTOMER VALIDATION

-
- Research Square Print. November 18th, 2022

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Bozilovic J, et al. Novel, highly potent PROTACs targeting AURORA-A kinase. Current Research in Chemical Biology. 2022, 2: 100032.

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

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