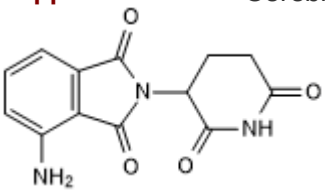
Pomalidomide
Cat. # PC-1005

Background: Potent TNF-α inhibitor (IC_{50} = 13 nM). Also potently inhibits IL-2 (EC_{50} = 8 nM). Thalidomide derivative. Binds cereblon and inhibits its ubiquitination. Exhibits antiproliferative effects in a Namalwa lymphoma cell line. Antiangiogenic.

Application: Cereblon ubiquitination inhibitor; also TNF-α inhibitor and antiangiogenic



Product Information

Purity:	>95%
MW:	273.24
Formula:	$C_{13}H_{11}N_3O_4$
CAS Number	19171-19-8
Physical State:	Lyophilized pale-yellow to yellow-brown solid
Quantity:	1g; 5g
Solubility:	25 mg/mL in DMSO
Storage:	Room Temperature

References

1. **Lohbeck & Miller** (2016) Practical synthesis of a phthalimide-based Cereblon ligand to enable PROTAC development. Bioorg.Med.Chem.Lett. ***26*** 5260 PMID: 27687673
2. **Nanthakumar** *et al* (2015) Dissecting fibrosis: therapeutic insights from the small-molecule toolbox. Nat.Rev.Drug.Discov. ***14*** 693 PMID: 26338155
3. **Lai** *et al* (2016) Modular PROTAC design for the degradation of oncogenic BCR-ABL. Angew.Chem.Int.Ed.Engl.***55*** 807 PMID: 26593377
4. **Winter** *et al* (2015) Phthalimide conjugation as a strategy for *in vivo* target protein degradation. Science. ***348***1376 PMID: 25999370