

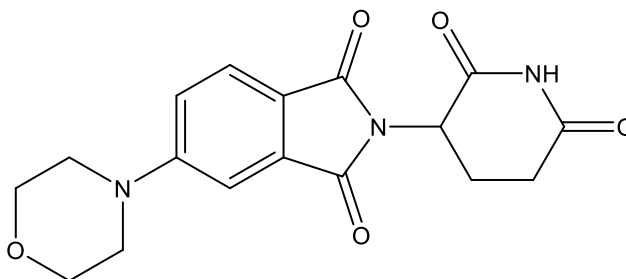
Catalog #10-3963

PT-179

CAS# 2924858-25-1

2-(2,6-Dioxopiperidin-3-yl)-5-morpholin-4-ylisoindole-1,3-dione

Lot # FBS4038



PT-179 is an orthogonal thalidomide analog that binds cereblon (CRBN: $K_D = 587$ nM; pomalidomide $K_D = 500$ nM) with greatly reduced off-target activity compared to pomalidomide. Pomalidomide induced differential expression of 1426 genes in MM.1S multiple myeloma cells compared to only 3 for PT-179. PT-179 is an interesting new tool for exploring CRBN-based therapeutics.

- 1) Nguyen *et al.* (2024), *Proteolysis-targeting chimeras with reduced off-targets*; Nat. Chem. **16** 218
- 2) Mercer *et al.* (2024), *Continuous evolution of compact protein degradation tags regulated by selective molecular glues*; Science **383** eadk4422

PHYSICAL DATA

Molecular Weight:	343.34
Molecular Formula:	C ₁₇ H ₁₇ N ₃ O ₅
Purity:	>98% (HPLC)
	NMR: (Conforms)
Solubility:	DMSO (at least 50 mg/mL)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

www.focusbiomolecules.com