

Pomalidomide, Cereblon ubiquitination inhibitor

Catalog	Unit
TBI2768-20MG	20mg
TBI2768-100MG	100mg

Product Details

Formal Name: 1,3-Dioxo-2-(2,6-dioxopiperidin-3-yl)-4-aminoisoindoline

Alternate Names: 3-amino-N-(2,6-dioxo-3-piperidyl)phthalamide

Molecular Formula: C₁₃H₁₁N₃O₄

Formula Weight: 273.24

CAS Number: 19171-19-8

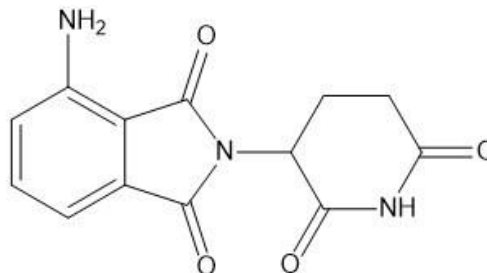
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Cereblon ubiquitination inhibitor

Functions

Thalidomide analog. Inhibits cereblon (CRBN) an E3 ubiquitin ligase, IC₅₀ ~3 μM for CRBN-DDB1 complex. Displays antiangiogenic and immunomodulatory activity in vivo potently inhibiting the production of TNFα and IL-2. Promotes degradation of SALL4, a transcription factor implicated in Duane Radial Ray syndrome. Conjugation with other ligands is a strategy to target proteins for in vivo proteasomal degradation via PROTACS.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.