

Iberdomide, Cereblon modulator/Molecular glue

Catalog	Unit
TBI3921-5MG	5 mg
TBI3921-25MG	25 mg

Product Details

Formal Name: (S)-3-(4-((4-(Morpholinomethyl)benzyl)oxy)-1-oxoisindolin-2-yl)piperidine-2,6-dione

Alternate Names: CC-220

Molecular Formula: C₂₅H₂₇N₃O₅

Formula Weight: 449.5

CAS Number: 1323403-33-3

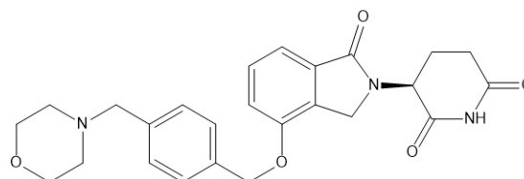
Purity: >98%

Formulation: Powder

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

Storage: -20°C

Stability: ≥ 2 years.



Applications

Cereblon modulator/Molecular glue

Functions

Modulator of the cullin ring ligase 4-cereblon E3 ubiquitin ligase complex with higher affinity (IC₅₀ = 60 nM) than lenalidomide and pomalidomide leading to more potent degradation of Ikaros (IKZF1; EC₅₀ = 1 nM) and Aiolos (IKZF3; EC₅₀ = 0.5 nM). It is more specific for the cereblon complex and does not degrade GSPT1 or CK1α. It displays antitumor and immunostimulatory activity in lenalidomide- and pomalidomide-resistant multiple myeloma cells. Iberdomide has also shown efficacy in treating the autoimmune disease cutaneous lupus erythematosus (CLE). It was also shown to act as an HIV-1 latency reversal agent in CD4+ T-cells.

Application Procedures

First dissolved in DMSO (50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.