

## Lenalidomide, TNF $\alpha$ inhibitor

Catalog	Unit
TBI2148-100MG	100 mg
TBI2148-500MG	500 mg

### Product Details

**Formal Name:** (R,S)-3-(4-Amino-1-oxo-3H-isoindol-2-yl)piperidine-2,6-dione

**Alternate Names:** CC-5013

**Molecular Formula:** C<sub>13</sub>H<sub>13</sub>N<sub>3</sub>O<sub>3</sub>

**Formula Weight:** 259.26

**CAS Number:** 191732-72-6

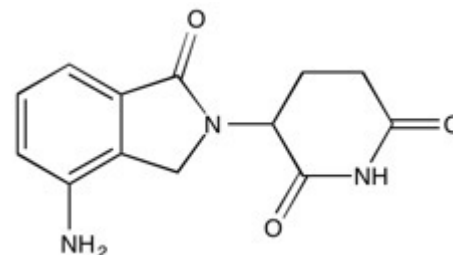
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 30 mg/ml).

**Storage:** RT

**Stability:**  $\geq$  1 year.



### Applications

TNF $\alpha$  inhibitor

### Functions

Thalidomide analog which, like thalidomide, binds to cereblon which is the substrate recognition component of a cullin-dependent ubiquitin ligase and inhibits its autoubiquitination activity. Induces degradation of T-cell repressors Ikaros (IKZF1) and Aiolos (IKZF3) leading to T cell activation. Selective inhibition of IKZF1 and IKZF3 in multiple myeloma cells results in cell death. Cell permeable. Caution: Teratogenic

### Application Procedures

First dissolved in DMSO (up to 30 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.**