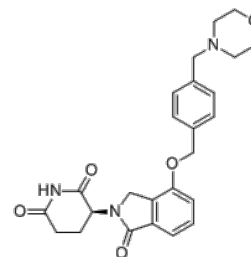


**Product Name** : CC-220  
**Cat. No.** : PC-60518  
**CAS No.** : 1323403-33-3  
**Molecular Formula** : C<sub>25</sub>H<sub>27</sub>N<sub>3</sub>O<sub>5</sub>  
**Molecular Weight** : 449.5  
**Target** : E3 Ubiquitin Ligase  
**Solubility** : 10 mM in DMSO



## Biological Activity

Iberdomide (CC-220) is a potent, next-generation modulator of cereblon **E3 ubiquitin ligase** with IC<sub>50</sub> of 60 nM. CC-220 exhibits significantly higher affinity than lenalidomide and pomalidomide (IC<sub>50</sub>=1.5 and 1.2 μM, respectively). CC-220 reduces and degrades Aiolos and Ikaros protein levels (EC<sub>50</sub>=1 nM and 0.5 nM, respectively) and BAFF- and CD40L-induced proliferation, plasmablast differentiation, and IgG secretion in cellular degradation assay.

## References

Matyskiela ME, et al. *J Med Chem.* 2017 Apr 20. doi: 10.1021/acs.jmedchem.6b01921.  
Nakayama Y, et al. *J Immunol.* 2017 Oct 1;199(7):2388-2407.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com