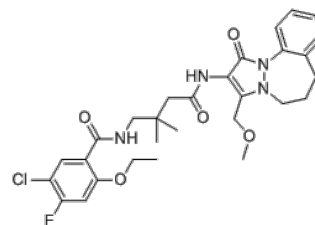


**Product Name** : CB-6644  
**Cat. No.** : PC-36002  
**CAS No.** : 2316817-88-4  
**Molecular Formula** : C<sub>29</sub>H<sub>34</sub>ClFN<sub>4</sub>O<sub>5</sub>  
**Molecular Weight** : 573.062  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

CB-6644 (CB6644) is a potent, selective, allosteric, orally bioavailable inhibitor of the ATPase activity of **RUVBL1/2 complex** with IC<sub>50</sub> of 15 nM.

CB-6644 displays no appreciable activity against a panel of related AAA ATPases in ATPase assays (IC<sub>50</sub>>100 μM), including the p97.

CB-6644 binds to the RUVBL1/2 complex in an ATP-dependent manner.

CB-6644 interacts with the RUVBL1/2 complex in cells and induces cancer cell death in a panel of 123 cancer cell lines (EC<sub>50</sub>=41-785 nM), dose-dependently accumulates both p53 and p21 with EC<sub>50</sub> of 0.24 and 0.15 μM in HCT116 cells.

CB-6644 demonstrates antitumor activity in xenograft tumor models.

## References

Assimon VA, et al. *ACS Chem Biol*. 2019 Jan 14. doi: 10.1021/acscchembio.8b00904.

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

E-mail: tech@probechem.com