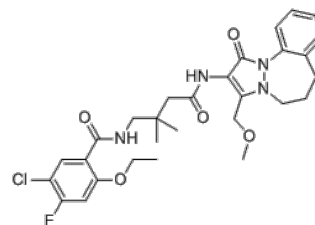


Product Name : CB-6644
Cat. No. : PC-36002
CAS No. : 2316817-88-4
Molecular Formula : C₂₉H₃₄ClFN₄O₅
Molecular Weight : 573.062
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

CB-6644 (CB6644) is a potent, selective, allosteric, orally bioavailable inhibitor of the ATPase activity of **RUVBL1/2 complex** with IC₅₀ of 15 nM.

CB-6644 displays no appreciable activity against a panel of related AAA ATPases in ATPase assays (IC₅₀>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 (EC₅₀=41-785 nM), dose-dependently accumulates both p53 and p21 with EC₅₀ 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!

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