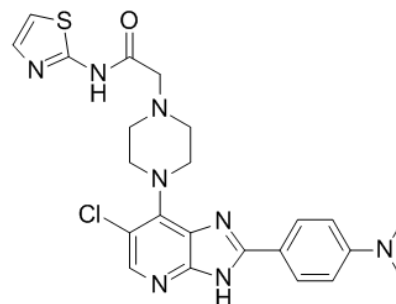


**Product Name** : CCT129202  
**Cat. No.** : PC-42864  
**CAS No.** : 942947-93-5  
**Molecular Formula** : C<sub>23</sub>H<sub>25</sub>ClN<sub>8</sub>OS  
**Molecular Weight** : 497.0156  
**Target** : Aurora Kinase  
**Solubility** : 10 mM in DMSO



## Biological Activity

CCT129202 is a potent, selective, ATP-competitive pan-**Aurora kinase** inhibitor with IC<sub>50</sub> of 42, 198 and 227 nM for Aurora A, Aurora B and Aurora C, respectively.

CCT129202 displays high selectivity for the Aurora kinases over a broad range of 13 other kinases.

CCT129202 inhibits proliferation in multiple cultured human tumor cell lines (GI<sub>50</sub>=0.08-1.7 μM), induces aberrant mitosis that leads to apoptosis.

CCT129202 reduces phosphorylation of histone H3, stabilizes p53, and inhibits growth of HCT116 human colon cancer xenografts in athymic mice.

## References

Chan F, et al. *Mol Cancer Ther.* 2007 Dec;6(12 Pt 1):3147-57.

Cheng C, et al. *Mol Pharm.* 2012 Jul 2;9(7):1971-82.

Tobío A, et al. *Antiinflamm Antiallergy Agents Med Chem.*

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

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