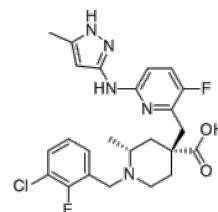


**Product Name** : LY3295668  
**Cat. No.** : PC-35756  
**CAS No.** : 1919888-06-4  
**Molecular Formula** : C<sub>24</sub>H<sub>26</sub>ClF<sub>2</sub>N<sub>5</sub>O<sub>2</sub>  
**Molecular Weight** : 489.952  
**Target** : Aurora Kinase  
**Solubility** : 10 mM in DMSO



## Biological Activity

LY3295668 (LY-3295668, AK-01) is a novel potent, highly selective, orally active **Aurora-A kinase** inhibitor with K<sub>i</sub> of 0.8 nM, H446 AurA auto-P IC<sub>50</sub> of 0.6 nM.

LY3295668 displays >1000-fold selectivity over Aur-B, 5/386 kinases were potently inhibited by LY3295668 (<10 nM) and none of these kinases overlapped with targets of the other AurAi (MK5108, alisertib), and no inhibition of SYK.

LY3295668 is cytotoxic to RB1 mutant cancer cancaer cells (NCI-H446 cell IC<sub>50</sub>=0.752 uM), causes durable regression of RB1mut tumor xenografts.

## References

Gong X, et al. *Cancer Discov.* 2018 Oct 29. pii: CD-18-0469.

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

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