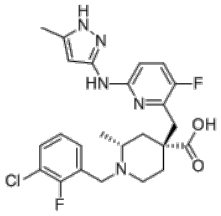
ProbeChem®
Expedite Your Scientific Research

WWW.PROBECHEM.COM

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	LY3295668
Cat. No.	:	PC-35756
CAS No.	:	1919888-06-4
Molecular Formula	:	$C_{24}H_{26}ClF_2N_5O_2$
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 Ki of 0.8 nM, H446 AurA auto-P IC50 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 IC50=0.752 uM), causes durable regression of RB1mut tumor xenografts.

References

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

E-mail: tech@probechem.com