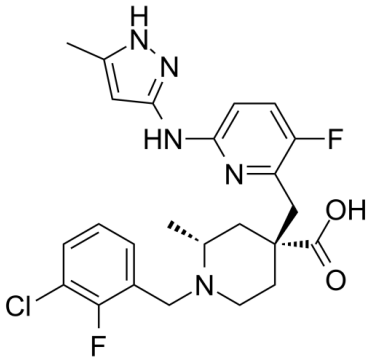
Data Sheet

Product Name:	LY3295668
Cat. No.:	CS-0080775
CAS No.:	1919888-06-4
Molecular Formula:	C24H26ClF2N5O2
Molecular Weight:	489.95
Target:	Aurora Kinase
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Solubility:	DMSO : 150 mg/mL (306.15 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

LY3295668 is a potent, orally active and highly specific **Aurora-A kinase** inhibitor, with K_i values of 0.8 nM and 1038 nM for AurA and AurB, respectively. IC50 & Target: Ki: 0.8 nM (AurA)[1]. **In Vitro:** LY3295668 is a highly specific Aurora-A kinase inhibitor, with K_i values of 0.8 nM and 1038 nM for AurA and AurB, respectively. LY3295668, a highly specific AurA inhibitor, can kill Rb-deficient cancer cells at doses that have minimal effects on normal cells. In a kinome-wide survey, only 5 of 386 kinases are potently inhibited by LY3295668 (<10 nM)[1].

References:

[1]. Gong X, et al. Aurora-A kinase inhibition is synthetic lethal with loss of the RB1 tumor suppressor gene. Cancer Discov. 2018 Oct 29. pii: CD-18-0469.

CAIndexNames:

4-Piperidinecarboxylic acid, 1-[(3-chloro-2-fluorophenyl)methyl]-4-[[3-fluoro-6-[(5-methyl-1H-pyrazol-3-yl)amino]-2-pyridinyl]methyl]-2-methyl-, (2R,4R)-

SMILES:

O=C([C@@]1(CC2=NC(NC3=NNC(C)=C3)=CC=C2F)C[C@@H](C)N(CC4=CC=CC(Cl)=C4F)CC1)O

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