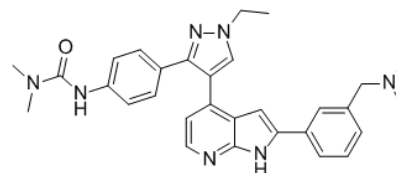


Product Name : GSK1070916
Cat. No. : PC-45943
CAS No. : 942918-07-2
Molecular Formula : C₃₀H₃₃N₇O
Molecular Weight : 507.6293
Target : Aurora Kinase
Solubility : DMSO: ≥ 26.5 mg/mL



Biological Activity

GSK1070916 is a potent, selective and ATP-competitive inhibitor of **Aurora B** and **Aurora C** with *K_i* of 0.38 nM and 1.5 nM, respectively.

GSK1070916 displays >250-fold selectivity over Aurora A; shows potent antiproliferative effect (EC₅₀=7 nM) in A549 human lung cancer cells.

GSK1070916 causes inhibition of histone H3 phosphorylation at serine 10 in human colon cancer (Colo205) and tumor regression in human leukemia (HL-60) in mice.

References

Adams ND, et al. *J Med Chem.* 2010 May 27;53(10):3973-4001.

Hardwicke MA, et al. *Mol Cancer Ther.* 2009 Jul;8(7):1808-17.

Moy C, et al. *J Transl Med.* 2011 Jul 15;9:110.

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

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