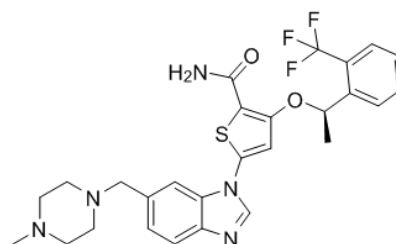


Product Name : GSK461364
Cat. No. : PC-45884
CAS No. : 929095-18-1
Molecular Formula : C₂₇H₂₈F₃N₅O₂S
Molecular Weight : 543.6038
Target : Polo-like Kinase (PLK)
Solubility : 10 mM in DMSO



Biological Activity

GSK461364 is a potent, selective, and reversible ATP-competitive **PLK1** inhibitor with K_i of 2.2 nM.

GSK461364 displays >390-fold greater selectivity for Plk1 than for Plk2 and Plk3 and 1,000-fold greater selectivity than for a panel of 48 other kinases.

GSK461364 shows antiproliferative activity against >120 tumor cell lines and potently inhibits the proliferation with IC₅₀s of <100 nM.

GSK461364 shows clear antitumor activity in human tumor xenograft models.

References

Olmos D, et al. *Clin Cancer Res.* 2011 May 15;17(10):3420-30.

Gilmartin AG, et al. *Cancer Res.* 2009 Sep 1;69(17):6969-77.

Degenhardt Y, et al. *Mol Cancer Ther.* 2010 Jul;9(7):2079-89.

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

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