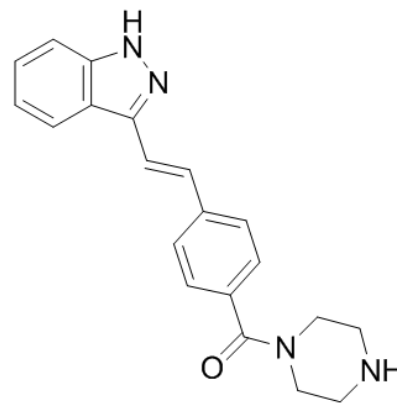


Product Name : KW-2449
Cat. No. : PC-42536
CAS No. : 1000669-72-6
Molecular Formula : C₂₀H₂₀N₄O
Molecular Weight : 332.399
Target : FLT3
Solubility : 10 mM in DMSO



Biological Activity

KW-2449 is a **multikinase** inhibitor of FLT3/ABL/ABL-T315I/Aurora A/Aurora B with IC₅₀ of 6.6/14/4/48/48 nM respectively. KW-2449 has little effect on PDGFR β , IGF-1R, EGFR, and various serine/threonine kinases at 1 μ M. KW-2449 exhibits potent growth inhibitory effects on leukemia cells with FLT3 mutations, resulting in the down-regulation of phosphorylated-FLT3/STAT5, G1 arrest, and apoptosis; orally active.

References

- Shiotsu Y, et al. Blood. 2009 Aug 20;114(8):1607-17.
Nguyen T, et al. Clin Cancer Res. 2011 May 15;17(10):3219-32.
Pratz KW, et al. Blood. 2009 Apr 23;113(17):3938-46.

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

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