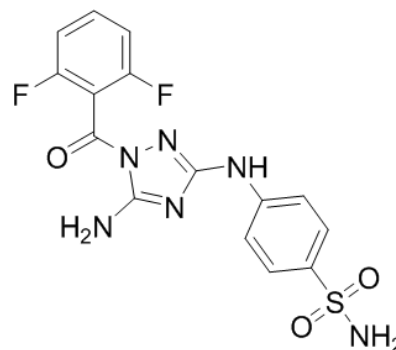


Product Name : JNJ-7706621
Cat. No. : PC-42527
CAS No. : 443797-96-4
Molecular Formula : C₁₅H₁₂F₂N₆O₃S
Molecular Weight : 394.356
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



Biological Activity

JNJ-7706621 is a potent, dual **CDK/Aurora kinase** inhibitor with IC₅₀ of 9/4/11/15 nM for CDK1/CDK2/Aurora A/Aurora B respectively.

JNJ-7706621 also exhibits activity towards CDK3, CDK4, and CDK6 (IC₅₀s=50-250 nM), and no activity for Plk1 or Wee1.

JNJ-7706621 arrests the cell cycle at the G₂-M phase.

JNJ-7706621 shows significant antitumor activity in tumor xenograft model.

References

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Huang S, et al. *Bioorg Med Chem Lett.* 2006 Jul 15;16(14):3639-41.

Seamon JA, et al. *Mol Cancer Ther.* 2006 Oct;5(10):2459-67.

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

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