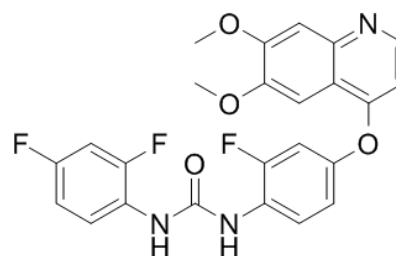


Product Name : Ki8751
Cat. No. : PC-42853
CAS No. : 228559-41-9
Molecular Formula : C₂₄H₁₈F₃N₃O₄
Molecular Weight : 469.4126
Target : VEGFR
Solubility :



Biological Activity

Ki8751 is a potent, selective and orally active **VEGFR-2** inhibitor that inhibits VEGFR-2 phosphorylation with IC₅₀ of 0.6 nM. Ki8751 also inhibits PDGFR family members such as PDGFR α and c-Kit at 67 nM and 40 nM, does not have any inhibitory activity against other kinases such as EGFR, HGFR, InsulinR (IC₅₀>10 μ M).

Ki8751 suppressed the growth of the VEGF-stimulated HUVEC on nanomolar level, shows significant antitumor activity against human tumor xenografts such as glioma, stomach carcinoma), lung carcinoma, colon carcinoma and melanoma in nude mice.

References

- Kubo K, et al. *J Med Chem*. 2005 Mar 10;48(5):1359-66.
 Araq T, et al. *Anticancer Res*. 2011 Sep;31(9):2787-96.
 Hasan MR, et al. *Int J Cancer*. 2011 Nov 1;129(9):2115-23.

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

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