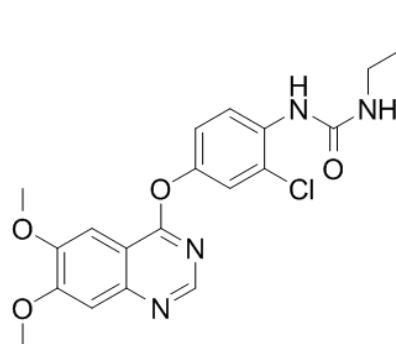


Product Name : KRN-633
Cat. No. : PC-42875
CAS No. : 286370-15-8
Molecular Formula : C₂₀H₂₁ClN₄O₄
Molecular Weight : 416.8582
Target : VEGFR
Solubility : 10 mM in DMSO



Biological Activity

KRN-633 is a potent, selective **VEGFR-2** inhibitor that inhibits the phosphorylation of VEGFR-2 with IC₅₀ of 1.16 nM, also inhibits VEGFR-1, c-Kit and PDGFR-β with IC₅₀ of 11.7, 8.01 and 130 nM.

KRN-633 does not inhibit the phosphorylation of FGFR-1, EGFR, or c-Met at 10 μM.

KRN-633 blocks the activation of mitogen-activated protein kinases by VEGF, inhibits VEGF-driven proliferation of HUVECs with IC₅₀ of 14.9 nM.

KRN-633 inhibits tumor growth in several in vivo tumor xenograft models with diverse tissue origins, including lung, colon, and prostate, in athymic mice and rats.

References

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Nakamura K, et al. *Mol Cancer Ther.* 2004 Dec;3(12):1639-49.

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

E-mail: tech@probechem.com