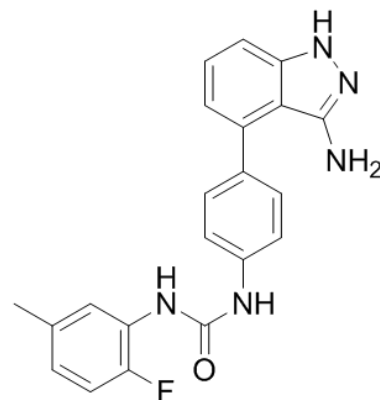


Product Name : Linifanib
Cat. No. : PC-45859
CAS No. : 796967-16-3
Molecular Formula : C₂₁H₁₈N₅O
Molecular Weight : 375.3989
Target : VEGFR
Solubility : 10 mM in DMSO



Biological Activity

A potent multi-RTKs inhibitor of members of VEGFR and PDGFR families with IC₅₀ of 4/3/3/14/4/66/190/170 nM for KDR/FLT1/CSF1R/KIT/FLT3/PDGFRβ/FLT4/Tie2, respectively; much less active (IC₅₀>10 uM) against other nonrelated tyrosine kinases, such as steroid receptor coactivator and EGFR; inhibits RTK phosphorylation (IC₅₀=2, 4, and 7 nM for PDGFRβ, KDR, and CSF-1R, respectively) and VEGF-stimulated proliferation (IC₅₀=0.2 nM for human endothelial cells); exhibits efficacy in human fibrosarcoma and breast, colon, and small cell lung carcinoma xenograft models (ED₅₀=1.5-5 mg/kg, twice daily).

Colon Cancer

Phase 2 Discontinued

References

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Albert DH, et al. Mol Cancer Ther. 2006 Apr;5(4):995-1006.

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

E-mail: tech@probechem.com