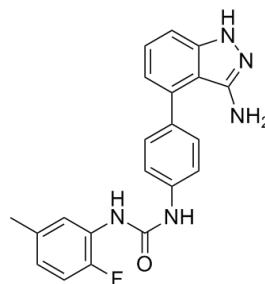


Product Name : Linifanib
Synonyms : ABT-869;AL-39324;ABT 869;ABT869;AL 39324;AL39324
Cat No. : M15985
CAS Number : 796967-16-3
Molecular Formula : C₂₁H₁₈FN₅O
Formula Weight : 375.40
Chemical Name : Urea, N-[4-(3-amino-1H-indazol-4-yl)phenyl]-N'-(2-fluoro-5-methylphenyl)-



Description : 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 μM) 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

Pathway : Angiogenesis
Target : VEGFR
Receptor : CSF-1R;FLT3;Kit;VEGFR1/FLT1;VEGFR2/KDR
Solubility : 10 mM in DMSO
SMILES : O=C(N)N(C1=CC=C(C2=CC=CC3=C2C(N)=NN3)C=C1)C4=CC(C)=CC=C4F
Storage : (-20°C)
Stability : ≥ 2 years
Reference :

1. Dai Y, et al. J Med Chem. 2007 Apr 5;50(7):1584-97. | 2. Shankar DB, et al. Blood. 2007 Apr 15;109(8):3400-8. | 3. Albert DH, et al. Mol Cancer Ther. 2006 Apr;5(4):995-1006.