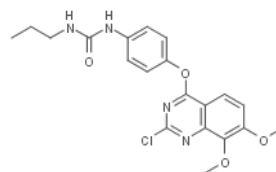


Product Name	: KRN-633
Synonyms	: KRN633; KRN-633; KRN 633
Cat No.	: M18365
CAS Number	: 286370-15-8
Molecular Formula	: C ₂₀ H ₂₁ ClN ₄ O ₄
Formula Weight	: 416.86
Chemical Name	: 1-(2-chloro-4-(6,7-dimethoxyquinazolin-4-yloxy)phenyl)-3-propylurea



Description	: KRN633 is a potent and selective VEGFR inhibitor, which inhibits tyrosine phosphorylation of VEGFR-2 (IC ₅₀ = 1.16 nmol/L) in human umbilical vein endothelial cells. Selectivity profiling with recombinant tyrosine kinases showed that KRN633 is highly selective for VEGFR-1, -2, and -3. KRN633 inhibits tumor growth in several in vivo tumor xenograft models with diverse tissue origins, including lung, colon, and prostate, in athymic mice and rats. KRN633 also causes the regression of some well-established tumors and those that had regrown after the cessation of treatment. KRN633 was well tolerated and had no significant effects on body weight or the general health of the animals. KRN633 might be useful in the treatment of solid tumors and other diseases that depend on pathologic angiogenesis.
Pathway	: Others
Target	: Other Targets
Receptor	: VEGFR1; VEGFR2; VEGFR3
Solubility	: DMSO : ≥ 8 mg/mL; 19.19 mM
SMILES	: <chem>CCCNC(=O)Nc1ccc(Oc2ncnc3cc(OC)c(OC)cc23)cc1Cl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Nakamura K, et al. KRN633: A selective inhibitor of vascular endothelial growth factor receptor-2 tyrosine kinase that suppresses tumor angiogenesis and growth. Mol Cancer Ther. 2004 Dec;3(12):1639-49.