

Product Name	: Pazopanib
Synonyms	: GW-786034B;GW-786034;GW786034
Cat No.	: M14522
CAS Number	: 444731-52-6
Molecular Formula	: C ₂₁ H ₂₃ N ₇ O ₂ S
Formula Weight	: 437.52
Chemical Name	: Benzenesulfonamide, 5-[[4-[(2,3-dimethyl-2H-indazol-6-yl)methylamino]-2-pyrimidinyl]amino]-2-methyl-
Description	A potent, orally available, pan-VEGFR inhibitor with IC₅₀ of 10, 30, and 47 nM for VEGFR-1, -2, and -3, respectively; also shows significant activity against the closely related RTKs PDGFRβ, c-Kit, FGFR1, and c-Fms with IC₅₀ of 84, 74, 140, and 146 nM, respectively; potently inhibits VEGF-induced phosphorylation of VEGFR-2 in HUVEC cells with IC₅₀ of 8 nM; inhibits in vivo tumor growth, increases MM cell apoptosis, decreases angiogenesis, and prolongs host survival in a xenograft model of human MM. Kidney Cancer Approved
Pathway	: Angiogenesis
Target	: VEGFR
Receptor	: c-Kit;PDGFR;VEGFR1;VEGFR2;VEGFR3
Solubility	: DMSO: ≥ 43 mg/mL
SMILES	: <chem>O=S(C1=CC(NC2=NC=CC(N(C3=CC4=NN(C)C(C)=C4C=C3)C)=N2)=CC=C1C)(N)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Podar K, et al. Proc Natl Acad Sci U S A. 2006 Dec 19;103(51):19478-83. 2. Kumar R, et al. Mol Cancer Ther. 2007 Jul;6(7):2012-21. 3. Harris PA, et al. J Med Chem. 2008 Aug 14;51(15):4632-40. 4. Hurwitz HI, et al. Clin Cancer Res. 2009 Jun 15;15(12):4220-7.