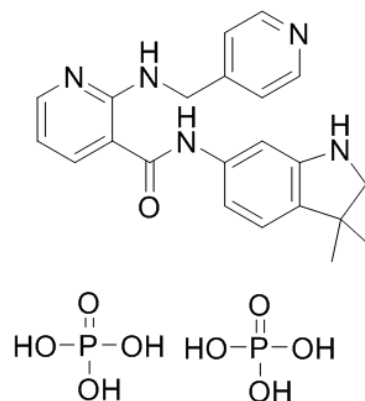


Product Name : Motesanib diphosphate
Cat. No. : PC-42472
CAS No. : 857876-30-3
Molecular Formula : C₂₂H₂₉N₅O₉P₂
Molecular Weight : 569.4413
Target : VEGFR
Solubility : 10 mM in DMSO



Biological Activity

Motesanib diphosphate (AMG706) is a potent, orally bioavailable, **multikinase** inhibitor inhibitor of **VEGFR1/2/3**, **PDGFR** and **c-Kit** with IC₅₀ of 2-6 nM, 84 nM and 8 nM, respectively. Motesanib also displays activity against Ret (IC₅₀=59 nM), no activities against EGFR, Src, and p38. Motesanib inhibits human endothelial cell proliferation induced by VEGF, but not by bFGF in vitro; potently inhibits VEGF-induced angiogenesis in the rat models.

References

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Sherman SI, et al. **N Engl J Med.** 2008 Jul 3;359(1):31-42.
Coxon A, et al. **Clin Cancer Res.** 2009 Jan 1;15(1):110-8.
Caenepeel S, et al. **J Exp Clin Cancer Res.** 2010 Jul 15;29:96.

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

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