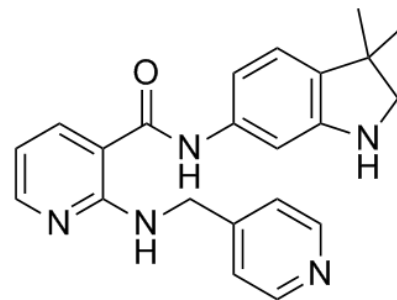


**Product Name** : Motesanib  
**Cat. No.** : PC-42471  
**CAS No.** : 453562-69-1  
**Molecular Formula** : C<sub>22</sub>H<sub>23</sub>N<sub>5</sub>O  
**Molecular Weight** : 373.4509  
**Target** : VEGFR  
**Solubility** : DMSO: ≥ 30 mg/mL



## Biological Activity

Motesanib (AMG-706) is a potent, orally bioavailable, multikinase inhibitor inhibitor of **VEGFR1/2/3**, PDGFR and c-Kit with IC<sub>50</sub> of 2-6 nM, 84 nM and 8 nM, respectively.

Motesanib (AMG-706) also displays activity against Ret (IC<sub>50</sub>=59 nM), no activities against EGFR, Src, and p38.

Motesanib (AMG-706) inhibits human endothelial cell proliferation induced by VEGF, but not by bFGF in vitro.

Motesanib (AMG-706) 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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