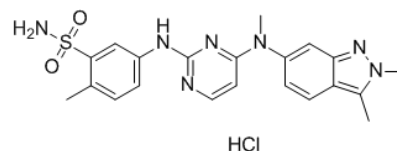


**Product Name** : Pazopanib hydrochloride  
**Cat. No.** : PC-42824  
**CAS No.** : 635702-64-6  
**Molecular Formula** : C<sub>21</sub>H<sub>24</sub>ClN<sub>7</sub>O<sub>2</sub>S  
**Molecular Weight** : 473.979  
**Target** : VEGFR  
**Solubility** : DMSO: 6.4 mg/mL (Need warming)



## Biological Activity

Pazopanib (GW786034) hydrochloride is a potent, orally available, pan-**VEGFR** inhibitor with IC<sub>50</sub> of 10, 30, and 47 nM for VEGFR-1, -2, and -3, respectively.

Pazopanib also shows significant activity against the closely related RTKs PDGFRβ, c-Kit, FGFR1, and c-Fms with IC<sub>50</sub> of 84, 74, 140, and 146 nM, respectively.

Pazopanib potently inhibits VEGF-induced phosphorylation of VEGFR-2 in HUVEC cells with IC<sub>50</sub> of 8 nM.

Pazopanib inhibits in vivo tumor growth, increases MM cell apoptosis, decreases angiogenesis, and prolongs host survival in a xenograft model of human MM.

## References

Podar K, et al. *Proc Natl Acad Sci U S A*. 2006 Dec 19;103(51):19478-83.

Kumar R, et al. *Mol Cancer Ther*. 2007 Jul;6(7):2012-21.

Harris PA, et al. *J Med Chem*. 2008 Aug 14;51(15):4632-40.

Hurwitz HI, et al. *Clin Cancer Res*. 2009 Jun 15;15(12):4220-7.

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

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