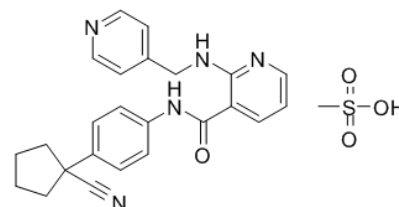


**Product Name** : Apatinib  
**Cat. No.** : PC-43506  
**CAS No.** : 1218779-75-9  
**Molecular Formula** : C<sub>25</sub>H<sub>27</sub>N<sub>5</sub>O<sub>4</sub>S  
**Molecular Weight** :  
**Target** : VEGFR  
**Solubility** : DMSO: ≥ 32 mg/mL



## Biological Activity

Apatinib (YN968D1) is a multitargeted tyrosine kinase inhibitor (TKI) that inhibits VEGFR-2 (Flk-1/KDR, IC<sub>50</sub>=1 nM), RET, c-Kit and c-Src (IC<sub>50</sub>=13, 429 and 530 nM respectively); significantly increases the accumulation of DOX and Rho 123 in cells overexpressing ABCB1 and ABCG2, inhibits cellular phosphorylation of VEGFR-2, c-kit and PDGFRβ, effectively inhibits proliferation, migration and tube formation of HUVECs induced by FBS, and blocks the budding of rat aortic ring; effectively inhibits the growth of several human tumor xenograft models with little toxicity alone and in combination with chemotherapeutic agents.

Gastric Cancer

Approved

## References

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Tong XZ, et al. Biochem Pharmacol. 2012 Mar 1;83(5):586-97.

Li J, et al. BMC Cancer. 2010 Oct 5;10:529.

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

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