



# Data Sheet

Research Use Only

## Compound Name

PTK787

## Catalog Number

SM80

## Alternative Names

Vatalanib, CGP-79787, ZK222584, N-(4-Chlorophenyl)-4-(4-pyridinylmethyl)-1-phthalazinamine dihydrochloride

## Activity

PTK787 is an inhibitor of VEGFR2/KDR, less potent against VEGFR1/Flt-1, 18-fold against VEGFR3/Flt-4. PTK787 also inhibits Flk, c-Kit and PDGFR- $\beta$ .

## Effect

PTK787 inhibits VEGFR-dependent tumor angiogenesis and EGFR- and RET-dependent tumor cell proliferation and survival. It shows the anti-proliferation effect by inhibiting thymidine incorporation induced by VEGF in HUVECs.

## Purity

>99%

## CAS

212141-51-0

## Formula

$C_{20}H_{15}ClN_4 \cdot 2HCl$

## Molecular Weight

419.73

## Solubility

DMSO, water

## Stability

Stable at -20°C. Keep away from direct sunlight.

## References

1. Zangi, L., et al. 2013. Nat Biotechnol. 31(10): 898-907. PMID: 24013197
2. Arbab, AS. 2012. Histol Histopathol. 27(5): 549-557. PMID: 22419019
3. Brander, D., et al. 2013. Leuk Lymphoma. 54(12): 2627-2630. PMID: 23488610