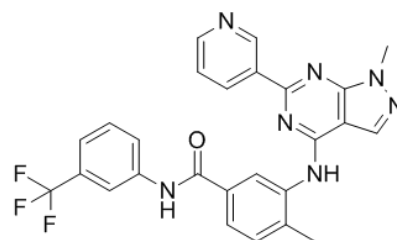


**Product Name** : NVP-BHG712  
**Cat. No.** : PC-43438  
**CAS No.** : 940310-85-0  
**Molecular Formula** : C<sub>26</sub>H<sub>20</sub>F<sub>3</sub>N<sub>7</sub>O  
**Molecular Weight** : 503.48  
**Target** : Ephrin Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

NVP-BHG712 is a potent, specific inhibitor of **EphB4 kinase** that inhibits EphB4 autophosphorylation with IC<sub>50</sub> of 25 nM in cell-based assays, displays little to no activity against VEGFR2, IGF1R and InsR.

NVP-BHG712 dose dependently inhibits autophosphorylation of the EphRs, showing some preference for EphB4 followed by inhibition of EphB2, EphA2, EphB3 and EphA3.

NVP-BHG712 shows excellent pharmacokinetic properties and potently inhibits EphB4 autophosphorylation in tissues after oral administration, inhibits VEGF driven tissue growth and angiogenesis in vivo.

## References

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Wnuk M, et al. *Kidney Int*. 2012 Jun;81(12):1212-25.

Becerikli M, et al. *Int J Cancer*. 2015 Apr 15;136(8):1781-91.

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

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