

Product Datasheet

NVP-BHG712

Catalog No. **BP-02298** · CAS **940310-85-0** · Form **free base** · Physical state **solid** · Color **White to yellow** · Version **1.0** ·
Revision **2026-09-10**

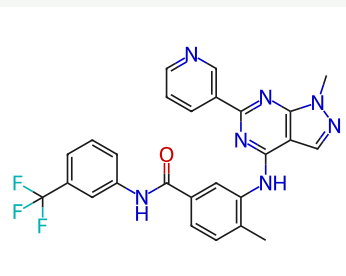
FOR RESEARCH USE ONLY. NOT FOR HUMAN OR VETERINARY USE.

Target Ephrin Receptor	Research area Cancer
----------------------------------	--------------------------------

Molecular formula **C₂₆H₂₀F₃N₇O**

Molecular weight **503.4785**

STRUCTURE



DESCRIPTION

NVP-BHG712 is an oral active EphB4 kinase autophosphorylation inhibitor, with IC₅₀ values of 3.3 nM and 3.0 nM for EphA2 and EphB4, respectively.

BIOLOGICAL ACTIVITY

In Vitro

NVP-BHG712 inhibits VEGF driven vessel formation, while it has only little effects on VEGF receptor (VEGFR) activity. The data suggests a close cross talk between the VEGFR and EphR signaling during vessel formation.

In Vivo

NVP-BHG712 (3, 10 and 30 mg/kg, p.o., daily) inhibits VEGF driven tissue growth and angiogenesis.

SOLUBILITY

Soluble in DMSO

REFERENCES

- [1]. Tröster A, et al. NVP-BHG712: Effects of Regioisomers on the Affinity and Selectivity toward the Ephrin Family. ChemMedChem. 2018 Aug 20;13(16):1629-1633.
- [2]. Martiny-Baron G, et al. The small molecule specific EphB4 kinase inhibitor NVP-BHG712 inhibits VEGF driven angiogenesis. Angiogenesis. 2010 Sep;13(3):259-67.

Tel: +86 20 31130026 · Fax: +86 20 36822386 · tech@biochemprobe.com · www.biochemprobe.com

BiochemProbe is the catalog brand of Guangzhou Yuyuan Biotech Co., Ltd. · For research use only.

Lot CoA and SDS are separate documents.