Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

NVP-BHG712

Catalog No: tcsc0469

Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg

Specifications

CAS No:
940310-85-0

Formula:
$C_{26}H_{20}F_3N_7O$

Pathway:
Protein Tyrosine Kinase/RTK

Target:
Ephrin Receptor

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Observed Molecular Weight:
503.48

Product Description

NVP-BHG712 is a specific EphB4 inhibitor with ED50 of 25 nM that discriminates between VEGFR and EphB4 inhibition; also shows

Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

activity against c-Raf, c-Src and c-Abl with IC50 of 0.395 μM, 1.266 μM and 1.667 μM, respectively.

IC50 value: 25 nM(EC50)

Target: EphB4 receptor;c-Raf; c-Src

in vitro: NVP-BHG712 treatment also dose dependently leads to the inhibition of RTK autophosphorylation in stable transfected A375 melanoma cells with EC50 of 25 nM and 4.2 μM for EphB4 and VEGFR2, respectively [1].

in vivo: In a growth factor-induced angiogenesis model, NVP-BHG712 (3 mg/kg, p.o) significantly suppresses VEGF stimulated tissue formation and vascularization by inhibiting EphB4 forward signaling. Furthermore, NVP-BHG712 (10 mg/kg/kg, p.o.) potently reverses VEGF enhanced tissue formation and vessel growth. NVP-BHG712 (3 mg/kg, p.o.) shows a long lasting exposure with concentrations around 10 μM in plasma as well as in lung and liver tissue for up to 8 hours, and thus results in a long lasting inhibition of EphB4 kinase activity in mice [1].