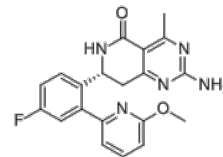


Product Name : NVP-HSP990
Cat. No. : PC-21200
CAS No. : 934343-74-5
Molecular Formula : C₂₀H₁₈FN₅O₂
Molecular Weight : 379.40
Target : Heat Shock Protein (HSP)
Solubility : 10 mM in DMSO



Biological Activity

NVP-HSP990 (HSP990) is a potent, selective, oral and brain-penetrant Hsp90 inhibitor with IC₅₀ of 0.6, 0.8 and 8.5 nM for Hsp90 α , Hsp90 β and Grp94, respectively.

NVP-HSP990 inhibits TRAP1 ATPase activity with IC₅₀ of 320 nM, binds to the N-terminal ATP-binding domain of Hsp90. NVP-HSP990 does not show significant binding or functional activities against a panel of 83 diverse receptors/enzymes involved in major physiologic functions.

NVP-HSP990 induces a signature response of Hsp90 inhibition and inhibits growth of a wide range of tumor cells.

NVP-HSP990 (5 mg/kg twice weekly or 15 mg/kg weekly) demonstrates antitumor efficacy in the GTL-16 gastric cancer model.

References

Centenera MM, et al. Clin Cancer Res. 2012 Jul 1;18(13):3562-70.

Menezes DL, et al. Mol Cancer Ther. 2012 Mar;11(3):730-9.

Jackrel ME, et al. J Clin Invest. 2011 Aug;121(8):2972-5.

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

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