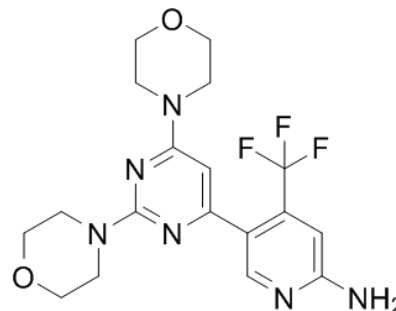


Product Name : NVP-BKM120
Cat. No. : PC-45950
CAS No. : 944396-07-0
Molecular Formula : C₁₈H₂₁F₃N₆O₂
Molecular Weight : 410.3936
Target : PI3K
Solubility : 10 mM in DMSO



Biological Activity

NVP-BKM120 (BKM-120, Buparlisib) is a potent, selective, orally bioavailable inhibitor of class I **PI3K** isoforms with IC₅₀ of 52 nM/166 nM/116 nM/262 nM for p110α/β/δ/γ, respectively.

NVP-BKM120 (BKM-120, Buparlisib) much less effectively inhibits the class III PI3K Vps34 and mTOR, and has no effect on PI4Kβ and several other kinases.

NVP-BKM120 (BKM-120, Buparlisib) prevents the growth of assorted cancer cell lines when used at 5 μM and inhibits tumor growth in vivo.

References

Maira SM, et al. *Mol Cancer Ther.* 2012 Feb;11(2):317-28.

Pei Y, et al. *Cancer Cell.* 2012 Feb 14;21(2):155-67.

Koul D, et al. *Clin Cancer Res.* 2012 Jan 1;18(1):184-95.

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

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