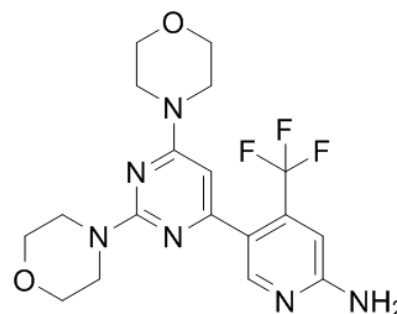


**Product Name** : NVP-BKM120  
**Cat. No.** : PC-45950  
**CAS No.** : 944396-07-0  
**Molecular Formula** : C<sub>18</sub>H<sub>21</sub>F<sub>3</sub>N<sub>6</sub>O<sub>2</sub>  
**Molecular Weight** : 410.3936  
**Target** : PI3K  
**Solubility** : 10 mM in DMSO



## Biological Activity

NVP-BKM120 (BKM-120, Buparlisib) is a potent, selective, orally bioavailable inhibitor of class I **PI3K** isoforms with IC<sub>50</sub> 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!**

E-mail: tech@probechem.com