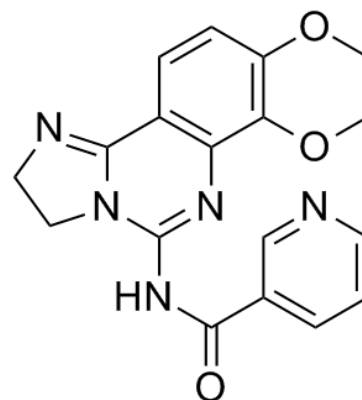


**Product Name** : PIK-90  
**Cat. No.** : PC-42844  
**CAS No.** : 677338-12-4  
**Molecular Formula** : C<sub>18</sub>H<sub>17</sub>N<sub>5</sub>O<sub>3</sub>  
**Molecular Weight** : 351.3593  
**Target** : PI3K  
**Solubility** : DMSO: < 1 mg/mL



### Biological Activity

PIK-90 is a potent **DNA-PK** and **PI3K** inhibitor that inhibits p110 $\alpha$ , p110 $\gamma$  and DNA-PK with IC<sub>50</sub>s of 11, 18 and 13 nM, respectively.

PIK-90 inhibits phosphorylation of Akt and S6, blocks the antiapoptotic protein Survivin and driving cell death in malignant glioma the clinical CDK1/2 inhibitor cooperated with roscovitine.

### References

Fan QW, et al. *Cancer Res.* 2007 Sep 1;67(17):7960-5.

Niedermeier M, et al. *Blood.* 2009 May 28;113(22):5549-57.

Knight ZA, et al. *Cell.* 2006 May 19;125(4):733-47.

Cheng CK, et al. *Proc Natl Acad Sci U S A.* 2012 Jul 31;109(31):12722-7.

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

E-mail: tech@probechem.com