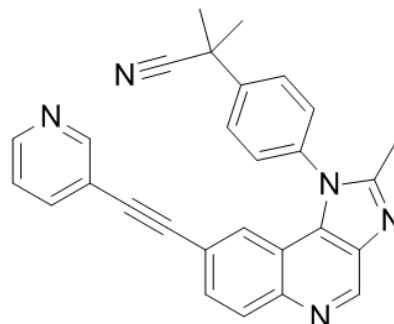


**Product Name** : NVP-BAG956  
**Cat. No.** : PC-43502  
**CAS No.** : 853910-02-8  
**Molecular Formula** : C<sub>28</sub>H<sub>21</sub>N<sub>5</sub>  
**Molecular Weight** : 427.50  
**Target** : PI3K  
**Solubility** : 10 mM in DMSO



### Biological Activity

NVP-BAG956 (BAG956) is a potent, dual **PDK-1/PI3K** inhibitor with IC<sub>50</sub> of 245/56/446/35/117 nM for PDK1/p110α/p110β/p110δ/p110γ, respectively.

NVP-BAG956 inhibits p-T308-PKB U87MG cells with IC<sub>50</sub> of 45 nM in ELISA assays, shows anti-proliferative activity with EC<sub>50</sub> of 143 nM.

NVP-BAG956 blocks AKT phosphorylation induced by BCR-ABL-, and induces apoptosis of BCR-ABL-expressing cell lines and patient bone marrow cells at concentrations that also inhibit PI3K signaling.

NVP-BAG956 demonstrates against BCR-ABL expressing cells both in vitro and in vivo, BAG956 is effective against mutant FLT3-expressing cell lines and AML patient bone marrow cells.

### References

Stauffer F, et al. *Bioorg Med Chem Lett*. 2008 Feb 1;18(3):1027-30.

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

E-mail: tech@probechem.com