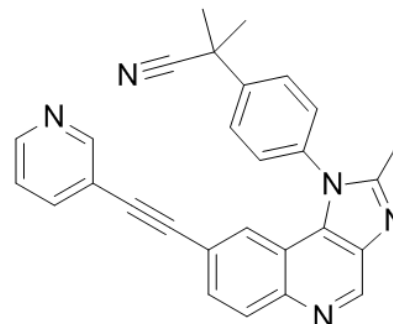


Product Name : NVP-BAG956
Cat. No. : PC-43502
CAS No. : 853910-02-8
Molecular Formula : C₂₈H₂₁N₅
Molecular Weight : 427.50
Target : PI3K
Solubility : 10 mM in DMSO



Biological Activity

NVP-BAG956 (BAG956) is a potent, dual **PDK-1/PI3K** inhibitor with IC₅₀ of 245/56/446/35/117 nM for PDK1/p110α/p110β/p110δ/p110γ, respectively.

NVP-BAG956 inhibits p-T308-PKB U87MG cells with IC₅₀ of 45 nM in ELISA assays, shows anti-proliferative activity with EC₅₀ 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!

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