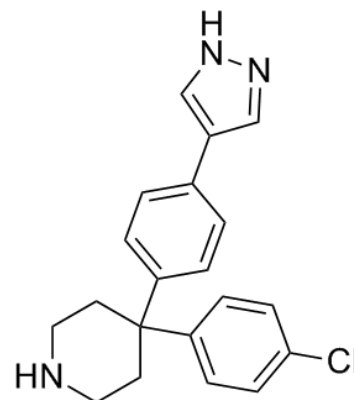


Product Name : AT7867
Cat. No. : PC-42873
CAS No. : 857531-00-1
Molecular Formula : C₂₀H₂₀ClN₃
Molecular Weight : 337.8459
Target : Akt
Solubility : 10 mM in DMSO



Biological Activity

AT7867 (AT-7867) is a potent, ATP-competitive, orally available dual **Akt** and **p70S6K** inhibitor with K_i of 17-85 nM, also inhibits PKA with K_i of 20 nM.

AT7867 potently inhibits both AKT and p70S6K activity at the cellular level, as measured by inhibition of GSK3beta (IC_{50} =7.1 μ M, pSer9 GSK3 β in U87MG glioblastoma cells) and S6 ribosomal protein phosphorylation, and also causes growth inhibition in a range of human cancer cell lines.

AT7867 inhibits AKT and p70S6K and induces apoptosis.

AT7867 inhibits human tumor growth in PTEN-deficient xenograft models.

References

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Zhang S, et al. *PLoS One.* 2017 Jan 12;12(1):e0169585.

Kimura A, et al. *Stem Cell Res.* 2017 Oct;24:61-68.

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

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