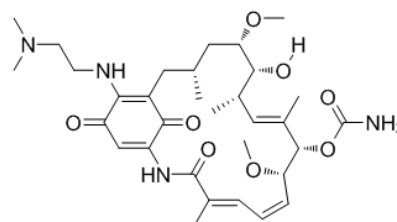


Product Name : Alvespimycin
Cat. No. : PC-42558
CAS No. : 467214-20-6
Molecular Formula : C₃₂H₄₈N₄O₈
Molecular Weight : 616.7455
Target : Heat Shock Protein (HSP)
Solubility : 10 mM in DMSO



Biological Activity

Alvespimycin (17-DMAG) is a potent, orally bioavailable **Hsp90** inhibitor with binding EC₅₀ of 62 nM.

Alvespimycin (17-DMAG) also shows comparable binding affinity for **Grp94** with EC₅₀ of 65 nM.

Alvespimycin (17-DMAG) inhibits the migration and the extracellular matrix-invasiveness of HUVEC in vitro, also inhibits FGF-2 and VEGF-induced HUVEC proliferation and induces apoptosis.

References

Bull EE, et al. *Clin Cancer Res*. 2004 Dec 1;10(23):8077-84.

Kaur G, et al. *Clin Cancer Res*. 2004 Jul 15;10(14):4813-21.

Ge J, et al. *J Med Chem*. 2006 Jul 27;49(15):4606-15.

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

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