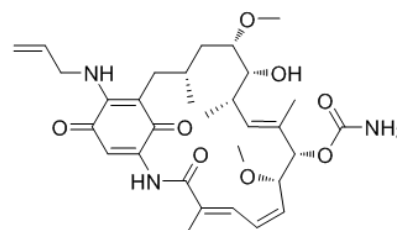


Product Name : 17-AAG
Cat. No. : PC-42457
CAS No. : 75747-14-7
Molecular Formula : C₃₁H₄₃N₃O₈
Molecular Weight : 585.6884
Target : Heat Shock Protein (HSP)
Solubility : DMSO: ≥ 55 mg/mL



Biological Activity

17-AAG (Tanespimycin) is a potent **Hsp90** inhibitor with IC₅₀ of 5 nM in cell-free assays.

17-AAG induces cytosolic accumulation of cytochrome c and cleavage and activities of caspase-9 and caspase-3, triggering apoptosis of HL-60/Bcr-Abl and K562 cells.

17-AAG causes the degradation of HER2, HER3, Akt, and both mutant and wild-type androgen receptor.

17-AAG inhibits prostate cancer xenografts growth in mice.

References

Kamal A, et al. *Nature*. 2003 Sep 25;425(6956):407-10.

Solit DB, et al. *Clin Cancer Res*. 2002 May;8(5):986-93.

Nimmanapalli R, et al. *Cancer Res*. 2001 Mar 1;61(5):1799-804.

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

E-mail: tech@probechem.com