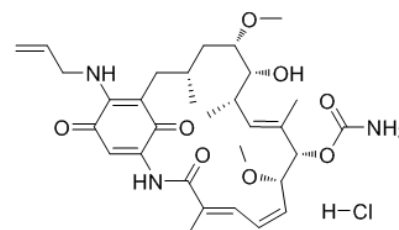


Product Name : 17-AAG hydrochloride
Cat. No. : PC-42458
CAS No. : 911710-03-7
Molecular Formula : C₃₁H₄₄ClN₃O₈
Molecular Weight : 622.1494
Target : Heat Shock Protein (HSP)
Solubility : 10 mM in DMSO



Biological Activity

17-AAG hydrochloride (Tanespimycin hydrochloride) 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!

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