

Product Name : 17-AAG

Synonyms : Tanespimycin; NSC 330507; CP 127374; 17AAG; 17 AAG

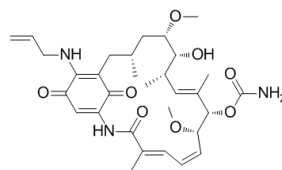
Cat No. : M15881

CAS Number : 75747-14-7

Molecular Formula : C₃₁H₄₃N₃O₈

Formula Weight : 585.69

Chemical Name : Geldanamycin, 17-demethoxy-17-(2-propenylamino)-



Description : A potent Hsp90 inhibitor with IC₅₀ of 5 nM in cell-free assays; 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; causes the degradation of HER2, HER3, Akt, and both mutant and wild-type androgen receptor; inhibits prostate cancer xenografts growth in mice. Skin Cancer Phase 2 Discontinued

Pathway : Cytoskeleton/Cell Adhesion Molecules

Target : HSP

Receptor : HSP90

Solubility : DMSO: ≥ 55 mg/mL

SMILES : NC(O[C@@H](/C(C)=C/[C@H](C)[C@@H](O)[C@@H](OC)C[C@H](C)CC1=C2NCC=C)[C@@H](OC)/C=C/C(C)C(NC(C1=O)=CC2=O)=O)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Kamal A, et al. Nature. 2003 Sep 25;425(6956):407-10. | 2. Solit DB, et al. Clin Cancer Res. 2002 May;8(5):986-93. | 3. Nimmanapalli R, et al. Cancer Res. 2001 Mar 1;61(5):1799-804.