

Product Name : Alvespimycin hydrochloride

Synonyms : 17-DMAG;KOS-1022;NSC 707545

Cat No. : M14563

CAS Number : 467214-21-7

Molecular Formula : C₃₂H₄₉ClN₄O₈

Formula Weight : 653.21

Chemical Name : Geldanamycin, 17-demethoxy-17-[[2-(dimethylamino)ethyl]amino]-, hydrochloride (1:1)

Description : A potent, orally bioavailable Hsp90 inhibitor with binding EC₅₀ of 62 nM; also show comparable binding affinity for Grp94 with EC₅₀ of 65 nM; inhibits the migration and the extracellular matrix-invasiveness of HUVEC in vitro, also inhibits FGF-2 and VEGF-induced HUVEC proliferation and induces apoptosis. Blood Cancer Phase 1 Discontinued

Pathway : Cytoskeleton/Cell Adhesion Molecules

Target : HSP

Receptor : HSP

Solubility : DMSO: ≥ 50 mg/mL

SMILES : NC(O[C@@H]1C(C)=C/[C@H](C)[C@@H](O)[C@@H](OC)C[C@H](C)CC1=C2OCCN(C)C)[C@@H](OC)/C=C/C(C)C(NC(C1=O)=CC2=O)=O.[H]Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Jez JM, et al. Jez JM, 2. Bull EE, et al. Clin Cancer Res. 2004 Dec 1;10(23):8077-84. 3. Kaur G, et al. Clin Cancer Res. 2004 Jul 15;10(14):4813-21. 4. Ge J, et al. J Med Chem. 2006 Jul 27;49(15):4606-15.

