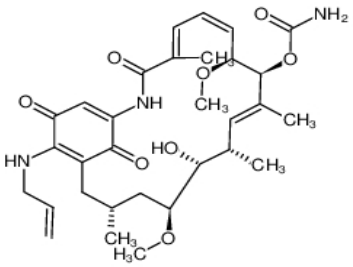
17-AAG (CAS: 75747-14-7)

Catalog #: EBC51010

Biological Activity

Synonyms	Tanespimycin
Chemical Name	17-Demethoxy-17-(2-propenylamino)-geldanamycin
Application	17-AAG is a potent heat shot protein 90 Hsp90) inhibitor for BT474 tumor cells, derived from geldanamycin
CAS No.	75747-14-7
Purity	≥99.0%
Molecular Weight	585.69
Molecular Formula	$C_{31}H_{43}N_3O_8$
Shipping	Gel Pack
Storage	Store at -20° C
Target & IC_{50}	Hsp90: = 5 μM

Molecular Structure



Solubility

DMSO: 58.0 mg/mL (100 mM)

PS: < 1 mg/ml refers to the product insoluble

Description

17-AAG is a less toxic and more stable analog of geldanamycin. 17-AAG is an Hsp90 inhibitor that displays a 100-fold higher affinity for Hsp90 derived from tumor cells compared to Hsp90 from normal cells. 17-AAG inhibits Akt activation and expression in tumors and synergizes with a number of anti tumor agents such as taxol2, cisplatin3, and UCN-014. 17-AAG causes the inactivation, destabilization and eventual degradation of HIF-1α5. In the prostate, 17-AAG can inhibit the growth of cancer cell lines.

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