17-AAG

HSP90 inhibitor

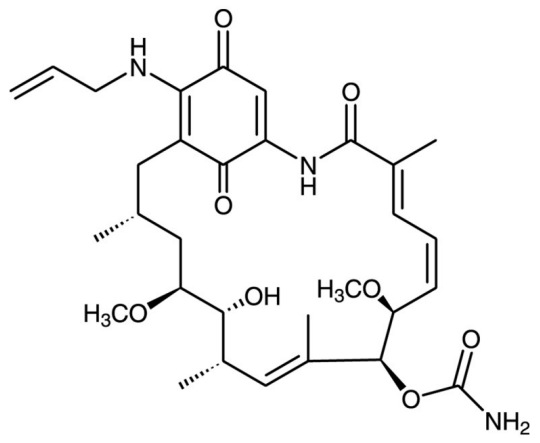
17-AAG is a less toxic and more stable analog of geldanamycin. It is an HSP90 inhibitor that displays a 100-fold higher affinity for HSP90 derived from tumor cells compared to HSP90 from normal cells. 17-AAG inhibits Akt activation and expression in tumors and synergizes with a number of antitumor agents such as taxol, cisplatin, and UCN-014. 17-AAG causes the inactivation, destabilization and eventual degradation of HIF-1α. Inhibitor of telomerase activity. Inducer of apoptosis with antitumor activity. Inducer of macroautophagy.

Citations: 37 View Online »

Ordering Information Order Online »

BML-EI308-0001	1mg

Manuals, SDS & CofA View Online »


O
H
N
O
N
H
O
H3CO
OH
H3CO
O
O
NH2

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	17-(Allylamino)-17-desmethoxygeldanamycin
Appearance	Red to dark red or purple solid.
CAS	75747-14-7
Couple Target	HSP90
Couple Type	Inhibitor
Formula	$C_{31}H_{43}N_3O_8$
Identity	Determined by 1H-NMR.
MW	585.7
Purity	≥98% (TLC)
Solubility	Soluble in DMSO (>20mg/ml) or 100% ethanol (10mg/ml).
Source	Semisynthetic derivative from geldanamycin.
Technical Info / Product Notes	Replacement for **ADI-HPK-101**.

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