

Catalog No. 11216-049 1 mg

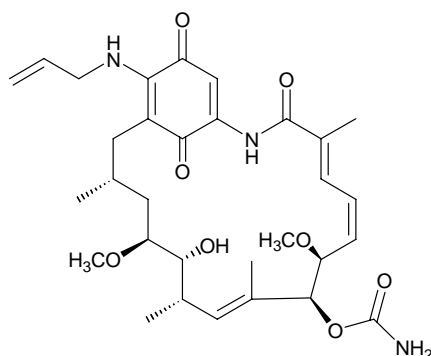
PRODUCT: 17-AAG
17-(Allylamino)-17-demethoxygeldanamycin

CAS NO. 75747-14-7

CATALOG NO.: 11216-049

SIZE: 1 mg

STRUCTURE:



PHYSICAL APPEARANCE: Purple solid

MOLECULAR FORMULA: $C_{31}H_{43}N_3O_8$

MOLECULAR WEIGHT: 585.7

PURITY: 98% (TLC: 5% Methanol/methylene chloride; $R_f = 0.26$)

SOLUBILITY: Soluble in DMSO (>20 mg/mL) and ethanol (10 mg/mL)

STORAGE: Store, as supplied, at -20°C for up to 1 year. Store solutions at -20°C for up to 3 months.

APPLICATION NOTES: 17-AAG is an HSP-90 inhibitor that displays a 100-fold higher affinity for HSP-90 derived from tumor cells compared to HSP-90 from normal cells.¹ 17-AAG inhibits Akt activation and expression in tumors and synergizes with a number of antitumor agents such as taxol², cisplatin³ and UCN-01 (400 nM 17-AAG, U937 cells)⁴. The product is not sterile.

REFERENCES:

1. A.Kamal *et al.* *Nature* 2003 **425** 357
2. D.B.Solit *et al.* *Cancer Res.* 2003 **63** 2139
3. I.A.Vasilevskaya *et al.* *Mol.Pharmacol.* 2003 **65** 235
4. W.Jia *et al.* *Blood* 2003 **102** 1824

The pharmacological and toxicological properties of this product have not been fully investigated. Exercise caution in use and handling. This product must not be used in humans