

## 17-AAG

**ALTERNATE NAME:** Telatinib; 17-(Allylamino)-17-demethoxygeldanamycin; 17-(Allylamino)geldanamycin; Tanespimycin

**CATALOG #:** 1774-1, 5, 50

**AMOUNT:** 1 mg, 5 mg, 50 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>31</sub>H<sub>43</sub>N<sub>3</sub>O<sub>8</sub>

**MOLECULAR WEIGHT:** 585.69

**CAS NUMBER:** 75747-14-7

**APPEARANCE:** Purple solid

**SOLUBILITY:** DMSO (150 mg/ml) or EtOH (5 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20 °C

**DESCRIPTION:** A semi-synthetic derivative of Geldanamycin (Cat. No. 1564-1,5) that displays greater stability and lower *in vivo* toxicity compared to Geldanamycin. Binds to Heat shock protein 90 (Hsp90) (EC<sub>50</sub> = 7.2 μM) in a manner similar to geldanamycin. Exhibits 100-fold higher affinity for tumor-derived Hsp90 over normal cells. Also inhibits Akt activation and HER2 expression in tumor cells.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

### RELATED PRODUCTS:

- 17-DMAG (Cat. No. 1776-1,5)
- Geldanamycin (Cat. No. 1564-1,5)
- NVP-AUY922 (Cat. No. 1591-1,5)