

17-AAG

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

CATALOG #: 1774-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₁H₄₃N₃O₈

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) (EC₅₀ = 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.

RELATED PRODUCTS:

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

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