



Catalog # 10-1601

17-PAAG

17-(Propargylamino)-17-desmethoxygeldanamycin

Lot # S103106

Semi-synthetic analog of geldanamycin which possesses an acetylenic side chain for coupling to other probes, fluorophores and bioactive molecules such as steroids via click chemistry.¹ Chemical modifications at C17 are well known not to interfere with binding of geldanamycin to HSP90 client proteins.²⁻⁴

- 1) Hendricks et al. (2013), *Synthesis and preliminary evaluation steroidal anti-estrogen-geldanamycin conjugates*; Bioorg. Med. Chem. Lett., **23** 3635
- 2) Llauger-Bufi et al. (2003), *Synthesis of novel fluorescent probes for the molecular chaperone Hsp90*; Bioorg. Med. Chem. Lett., **13** 3975
- 3) Kim et al. (2004), *Development of a fluorescence polarization assay for the molecular chaperone Hsp90*; J. Biomol. Screen., **9** 375
- 4) Austin et al. (2012), *Fragment screening using capillary electrophoresis (CEfrag) for hit identification of heat shock protein 90 ATPase inhibitors*; J. Biomol. Screen, **17** 868

PHYSICAL DATA

Molecular Weight:	583.67
Molecular Formula:	C ₃₁ H ₄₁ N ₃ O ₈
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	Soluble in DMSO (up to at least 50 mg/ml) or in Ethanol (up to 5 mg/ml)
Physical Description:	Violet solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 1 year from the date of purchase.
	Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

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