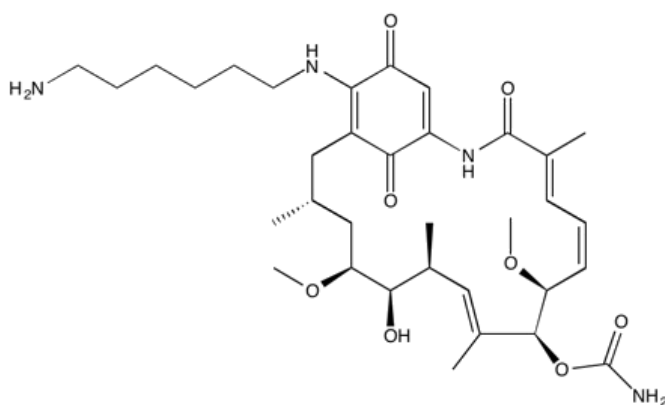


Catalog # 10-1577
17-AHA-Geldanamycin

AH-GDM
17-(6-Aminohexylamino)-17-demethoxygeldanamycin
Lot # S103068



Semi-synthetic analog of geldanamycin containing a linker bearing a free NH₂ functional group for conjugation. Selectively binds to HSP90 and may be used to prepare geldanamycin beads and affinity columns for purification of HSP90 and associated client proteins.^{1,2} Has been used in a copolymeric composition for geldanamycin sustained delivery and controlled release^{3,4} as well as other applications.

- 1) Xie *et al.* (2005), *Geldanamycins exquisitely inhibit HGF/SF-mediated tumor cell invasion*; *Oncogene*, **24** 3697
- 2) Marcu *et al.* (2000), *Novobiocin and related coumarins and depletion of heat shock protein 90-dependent signaling proteins*; *J. Natl. Cancer Inst.*, **92** 242
- 3) Borgman *et al.* (2009), *Biodistribution of HPMA copolymer-aminohexylgeldanamycin-RGDfK conjugates for prostate cancer drug deliver*; *Mol. Pharmacol.*, **6** 1836
- 4) Kasuya *et al.* (2001), *Synthesis and characterization of HPMA copolymer-aminopropylgeldanamycin conjugates*; *J. Control. Release*, **74** 203

PHYSICAL DATA

Molecular Weight:	644.80
Molecular Formula:	C ₃₄ H ₅₂ N ₄ O ₈
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to at least 50 mg/ml)
Physical Description:	Dark red solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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