



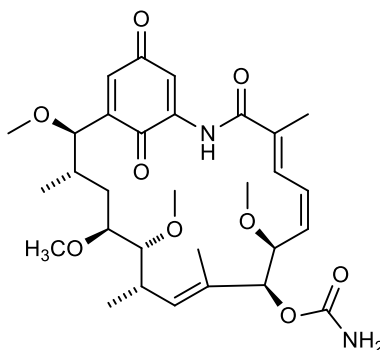
Catalog # 10-2567

Herbimycin A

70563-58-5

(15R)-17-Demethoxy-15 methoxy-11-O-methyl-geldanamycin

Lot # X101815



Ansamycin antibiotic. Inhibits HSP90 and associated client proteins including v-Src, Bcr-Abl, Raf-1 and ErbB2^{1,2}. Reverts tyrosine kinase-induced oncogenic transformation without direct inhibition of phosphorylation activity¹. Inhibits angiogenesis in a rat retinopathy model³.

- 1) Whitesell et al. (1994), *Inhibition of heat shock protein HSP-90-pp60v0src heteroprotein complex formation by benzoquinone ansamycins: essential role for stress proteins in oncogenic transformation*; Proc. Natl. Acad. Sci. USA, **91** 8324
- 2) Blagosklonny et al. (2002), *Hsp-90-associated oncoproteins: multiple targets of geldanamycin and it's analogs*; Leukemia, **16** 455
- 3) GW McCollum et al. (2004), *Herbimycin A inhibits angiogenic activity in endothelial cells and reduces neovascularization in a rat model of retinopathy of prematurity*; Exp. Eye Res., **78** 987

PHYSICAL DATA

Molecular Weight:	574.68
Molecular Formula:	C ₃₀ H ₄₂ N ₂ O ₉
Purity:	98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 6 mg/ml)
Physical Description:	Yellow lyophilized solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years 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.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

www.focusbiomolecules.com