Catalog # 10-1084

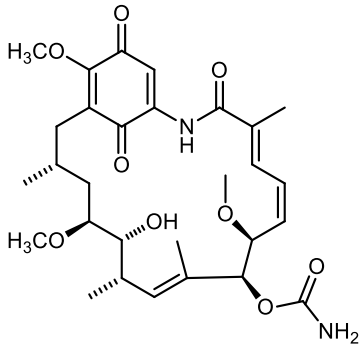
Geldanamycin

CAS# 30562-34-6

9,13-Dihydroxy-8,14,19-trimethoxy-4,10,12,16-tetramethyl-2-azabicyclo[16.3.1]docosa-4,6,10,18,21-pentaene-3,20,22-trione,9-carbamate

NSC 122750; U-29135

Lot # X101102



Inhibits HSP90 by binding to its ATP-binding domain (K_d=1.2 μM) and subsequently inhibits HSP90 client proteins. Induces apoptosis in various cell types. Cell permeable.

1) Neckers *et al*., (1999), *Geldanamycin as a potential anti-cancer agent: its molecular target and biochemical activity*; Invest. New Drugs **17** 361
2) Zang *et al*., (2006), *HSP90 protects apoptotic cleavage of vimentin in geldanamycin-induced apoptosis;* Mol. Cell. Biochem. **281** 111

PHYSICAL DATA

Molecular Weight:	560.65
Molecular Formula:	$C_{29}H_{40}N_2O_9$
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 50 mg/ml)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied at -20°C for up to 2 year from the date of purchase. Protect from exposure to moisture. Solutions in DMSO can be stored at -20°C for up to 3 months

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