

Geldanamycin

Cat. # F6102-5, F6102-25

Also Known as: NSC 122750
Formula: $C_{29}H_{40}N_2O_9$
MW: 560.6 Da
CAS No.: 30562-34-6
Source: Synthetic
Form: Lyophilized Powder
Solubility: Soluble in DMSO
Concentration: N/A
Quality Assurance: >98% by HPLC and NMR

Description: Geldanamycin is a selective inhibitor of heat shock protein 90 (Hsp90) and its paralog GRP94. Binds to the ATP site of Hsp90/GRP94 ($K_d = 1.2 \mu M$) and inhibits their chaperone activity, which affects numerous downstream client proteins with roles in gene expression, cell proliferation, apoptosis and angiogenesis.

Preparing stock solution in DMSO up to 20 mg/ml. Typical working concentration range is 1 nM - 10 μM .

Storage: Eligible for room temperature shipping. Store at -20°C or -80°C upon receiving; avoid multiple freeze-thaw cycles after dissolving in DMSO.

Literature: 1. Whitesell, L., et al. Proc Natl Acad Sci USA. 1994, 91: 8324.