



Geldanamycin

Data Sheet

Catalog Number:	MC11089	Product Type:	Small Molecule
Bio-Activity:	HSP90 inhibitor	CAS #:	30562-34-6
Research Categories:	Cellular stress, cell death, ubiquitin/proteasome, cancer, infectious disease	Chemical Name:	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
Solubility:	Soluble in DMSO (up to 50 mg/ml).	Molecular Formula:	C29H40N2O9
Purity:	> 98%	Molecular Weight:	560.7
Format:	Powder	Ship Temp:	Ambient
Storage:	-20°C		

Application Notes

Description/Data:

Inhibits HSP90 by binding to its ATP-binding domain ($K_d=1.2 \mu M$) and subsequently inhibits HSP90 client proteins [1]. Induces apoptosis in various cell types [2]. Cell permeable.

References:

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

FOR RESEARCH USE ONLY

NEUROMICS' REAGENTS ARE FOR IN VITRO AND CERTAIN NON-HUMAN IN VIVO EXPERIMENTAL USE ONLY AND NOT INTENDED FOR USE IN ANY HUMAN CLINICAL INVESTIGATION, DIAGNOSIS, PROGNOSIS, OR TREATMENT. THE ABOVE ANALYSES ARE MERELY TYPICAL GUIDES. THEY ARE NOT TO BE CONSTRUED AS BEING SPECIFICATIONS. ALL OF THE ABOVE INFORMATION IS, TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE. HOWEVER, SINCE THE CONDITIONS OF USE ARE BEYOND OUR CONTROL, ALL RECOMMENDATIONS OR SUGGESTIONS ARE MADE WITHOUT GUARANTEE, EXPRESS OR IMPLIED, ON OUR PART. WE DISCLAIM ALL LIABILITY IN CONNECTION WITH THE USE OF THE INFORMATION CONTAINED HEREIN OR OTHERWISE, AND ALL SUCH RISKS ARE ASSUMED BY THE USER. WE FURTHER EXPRESSLY DISCLAIM ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.-V2/08/2012