



LKT Laboratories, Inc.

Geldanamycin

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Product Information

Product ID G1646

CAS No. 30562-34-6

Chemical Name

Synonym BRN 1633093

Formula $C_{29}H_{40}N_2O_9$

Formula Wt. 560.64

Melting Point 265-268 °C

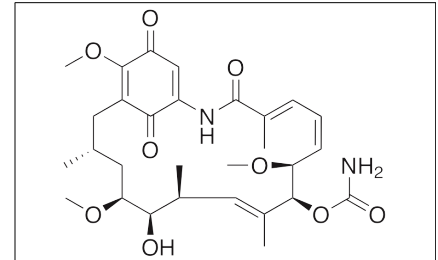
Purity $\geq 97\%$

Solubility Soluble in DMSO.

Store Temp -20 °C

Ship Temp Ambient

Description Geldanamycin is an inhibitor of heat shock protein 90 (HSP90) that exhibits antiviral, neuroprotective, and anticancer activities. Geldanamycin decreases viral titers and inflammation in animal models of Chikungunya virus infection. Geldanamycin also accelerates nerve regeneration and enhances functional recovery in animal models of nerve crush injury. Additionally, geldanamycin sensitizes various cancer cell lines to the effects of other co-administered chemotherapeutics.



Bulk quantities available upon request

Product ID	Size
G1646	100 μ g
G1646	5 x 100 μ g
G1646	1 mg

References Rathore AP, Haystead T, Das PK, et al. Chikungunya virus nsP3 & nsP4 interacts with HSP-90 to promote virus replication: HSP-90 inhibitors reduce CHIKV infection and inflammation in vivo. *Antiviral Res.* 2014 Mar;103:7-16. PMID: 24388965.

Sun HH, Saheb-Al-Zamani M, Yan Y, et al. Geldanamycin accelerated peripheral nerve regeneration in comparison to FK-506 in vivo. *Neuroscience.* 2012 Oct 25;223:114-23. PMID: 22835622.

McNamara AV, Barclay M, Watson AJ, et al. Hsp90 inhibitors sensitise human colon cancer cells to topoisomerase I poisons by depletion of key anti-apoptotic and cell cycle checkpoint proteins. *Biochem Pharmacol.* 2012 Feb 1;83(3):355-67. PMID: 22138446.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.