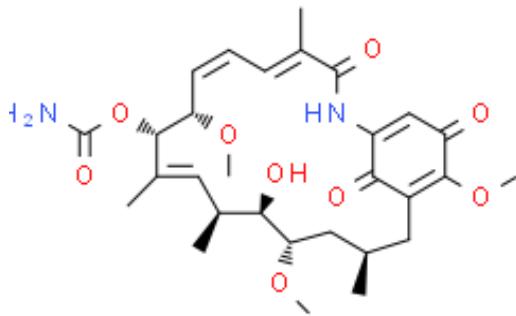


Product Data Sheet

Cas No.:	30562-34-6	Cat. No:	PC61456
Product Name:	Geldanamycin		
Product synonym:	格尔德霉素;Geldanamycin 格尔德霉素;格尔德霉素（吸水链霉菌由来）;粉防己碱;格尔德美素		
Chemical name:	Geldanamycin		
MF:	C29H40N2O9	FW:	560.6359
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	COC(C(C=C1NC(/C(C)=C/C=C/[C@H](OC)[C@@H](OC(N)=O)/C(C)=C/[C@H](C)[C@H]2O)=O)=O)=C[C@H](C[C@@H]2OC)C1=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

Geldanamycin是 Hsp90 抑制剂，具有抗许多革兰氏阳性和一些革兰氏阴性细菌的活性。Geldanamycin 还具有抗流感病毒 H5N1 的活性。Geldanamycin 是 Hsp90 抑制剂，具有抗许多革兰氏阳性和一些革兰氏阴性细菌的活性。Geldanamycin 还具有抗流感病毒 H5N1 的活性。

生物活性	Geldanamycin is a Hsp90 inhibitor with antimicrobial activity against many Gram-positive and some Gram-negative bacteria. Geldanamycin has anti-influenza virus H5N1 activities.
IC50 & Target[1][2]	HSP90 1.2 μM (Kd)

体外研究(In Vitro)

Geldanamycin significantly delays and reduces viperin expression, indicating that IRF3 is involved in viperin induction in RAW264.7 cells. Geldanamycin (GA), a benzoquinone ansamycin, protected against neuronal injury induced by oxygen-glucose deprivation (OGD)/zVAD treatment in cultured primary neurons. More importantly, Geldanamycin decreases RIP1 protein level in a time and concentration-dependent manner. Geldanamycin also decreases the Hsp90 protein level, which causes instability of RIP1 protein, resulting in decreased RIP1 protein level but not RIP1 mRNA level after Geldanamycin treatment. Geldanamycin (GA) is identified as the first natural product inhibitor of Hsp90 that binds to the N-terminal ATPase domain of Hsp90 to inhibit its chaperone function, and significantly induces tumor cell death via an apoptotic mechanism.

包装储存

Powder; -20°C; 3 years; 4°C; 2 years;
溶解度数据
体外研究:
DMSO : 50 mg/mL(89.18 mM;Need ultrasonic)
配制储存液
