

Product datasheet for **AR03024PU-N**

HSP90 Inhibitor Protein

Product data:

Product Type:	Recombinant Proteins
Description:	HSP90 Inhibitor protein, 1 mg
Predicted MW:	558.7
Purity:	>98% pure (TLC: 5% Methanol/Methylene Chloride, Rf=0.26).
Buffer:	Presentation State: Purified State: Purple solid
Reconstitution Method:	Soluble in DMSO (>50 mg/ml) or Methanol (5 mg/ml).
Preparation:	Purple solid
Protein Description:	Red to dark red powder. CAS No: 75747-14-7 Formula: C ₃₁ H ₄₃ N ₃ O ₈
Storage:	Upon receipt, store at -20°C.
Stability:	Shelf life: one year from despatch.
Summary:	Glendanamycin (GA), a benzoquinone ansamycin antibiotic, interferes with the action of Hsp90 leading to degradation of Hsp90 client proteins. GA itself however has undesirable properties such as poor aqueous solubility and liver toxicity; therefore, numerous analogs have been synthesized, such as 17-AAG(1). 17-AAG is an HSP-90 inhibitor that displays a 100-fold higher affinity for HSP-90 derived from tumor cells compared to HSP-90 from normal cells(2). 17- AAG inhibits Akt activation and expression in tumors and synergizes with a number of antitumor agents such as taxol(3), cisplatin(4) and UCN-01 (400 nM 17-AAG, U937 cells)(5).



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