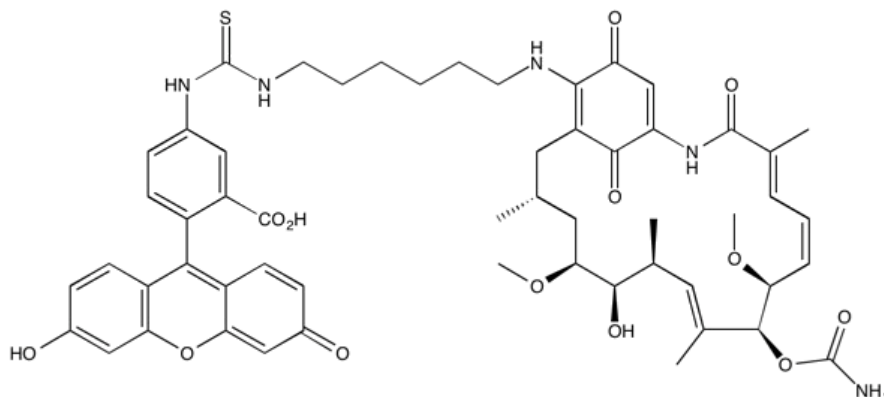


Catalog # 10-1289
Geldanamycin-FITC

GDA-C6-FITC

Lot # FBA6030



A novel geldanamycin fluorescent probe¹ that may be used in a fluorescence polarization assay for HSP-90 inhibitors^{2,3}. May also be used for detection of cell surface HSP-90 and for other applications. Fluorescent geldanamycin probes have been used to characterize geldanamycin drug-target interactions for effective translation of *in vitro* pharmacology to cellular and *in vivo* efficacy⁴.

- 1) Llauger-Bufi *et al.* (2003), *Synthesis of novel fluorescent probes for the molecular chaperone Hsp90*; *Bioorg. Med. Chem. Lett.*, **13** 3975
- 2) Kim *et al.* (2004), *Development of a fluorescent polarization assay for the molecular chaperone Hsp90*; *J. Biomol. Screen.*, **9** 375
- 3) Austin *et al.* (2012), *Fragment screening using capillary electrophoresis (Defrag) for hit identification of heat shock protein 90 ATPase inhibitors*; *J. Biomol. Screen.*, **17** 868
- 4) Gooljarsingh *et al.* (2006), *A biochemical rationale for the anticancer effects of Hsp90 inhibitors: slow, tight binding inhibition by geldanamycin and its analogues*; *Proc. Natl. Acad. Sci. USA*, **103** 7625

PHYSICAL DATA

Molecular Weight:	1034.2
Molecular Formula:	C ₅₅ H ₆₃ N ₅ O ₁₃ S
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (greater than 10 mg/ml)
Physical Description:	Purple solid
Storage and Stability:	Store as supplied, desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.