
Product Data Sheet

Product Name: Aminoethylgeldanamycin

Cat. No.: GC61563

Chemical Properties

Cas. No. 485395-71-9

SMILES O=C(C(NCCCCCN)=C1C[C@@H](C)C[C@H](OC)[C@H](O)[C@@H](C)/C=C(C)/[C@H](OC(N)=O)[C@@H](OC)/C=C\C=C(C)\C2=O)C=C(N2)C1=OFormula C₃₄H₅₂N₄O₈ M.Wt 644.8

Solubility DMSO: 200 mg/mL (310.17 mM) Storage -20°C, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Aminoethylgeldanamycin (AHGDM), a Geldanamycin derivative, is a potent HSP90 inhibitor. Aminoethylgeldanamycin shows antiangiogenic and antitumor activities[1].

HPMA copolymer-aminoethylgeldanamycin conjugates target cell surface expressed GRP78 in prostate cancer[2].

[1]. Greish K, et al. Anticancer and antiangiogenic activity of HPMA copolymer-aminoethylgeldanamycin-RGDfK conjugates for prostate cancer therapy. J Control Release. 2011;151(3):263-270. [2]. Larson N, et al. HPMA copolymer-aminoethylgeldanamycin conjugates targeting cell surface expressed GRP78 in prostate cancer. Pharm Res. 2010;27(12):2683-2693.

Caution: Product has not been fully validated for medical applications. For research use only.

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