

Product Data Sheet

Product Name: Fz25
Cat. No.: GC90660

Chemical Properties

Cas. No. 2762498-70-2

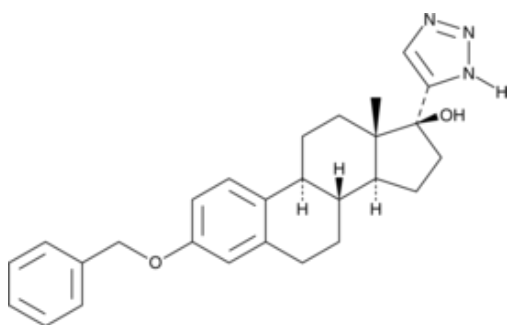
Formula $C_{27}H_{31}N_3O_2$ M.Wt 429.6

Solubility DMF: 25 mg/ml, DMSO: 25 mg/ml, Ethanol: 5 mg/ml
Storage Store at -20°C

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

Fz25 is a triazole-modified sterol and an anticancer agent.¹ It inhibits the proliferation of A2780 ovarian and HT-29 colorectal cancer cells (IC_{50} s = 15.29 and 15.98 μ M, respectively). Fz25 decreases the phosphorylation of EGFR and STAT3 in A2780 cells when used at a concentration of 30.58 μ M and phosphorylation of ERK, STAT3, and mammalian target of rapamycin (mTOR) in HT-29 cells at 31.96 μ M. It reduces the efflux activity of P-glycoprotein (P-gp), also known as multidrug resistance protein 1 (MDR1), in a reporter assay using HEK293 cells when used at a concentration of

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

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10 μ M.

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