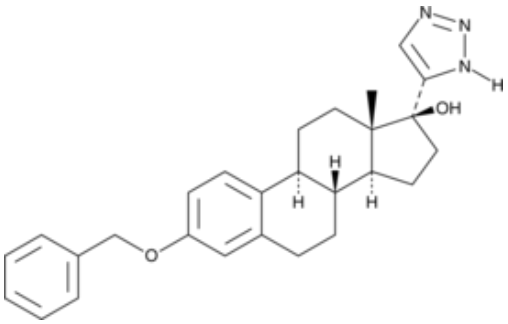
Product Data Sheet

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 µM, respectively). Fz25 decreases the phosphorylation of EGFR and STAT3 in A2780 cells when used at a concentration of 30.58 µM and phosphorylation of ERK, STAT3, and mammalian target of rapamycin (mTOR) in HT-29 cells at 31.96 µM. 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

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10 µM.