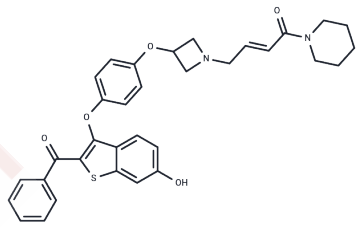
Data Sheet (Cat.No.T204764)

TargetMol

ER covalent antagonist-1

Chemical Properties



CAS No. : 2757498-74-9

Formula: C33H32N2O5S

Molecular Weight: 568.683

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	ER covalent antagonist-1 (Compound 39D) acts as an antagonist of the estrogen receptor α (ERα). This compound inhibits the proliferation of ERα-positive MCF-7 cells with an IC50 of 0.98 μM, induces cell cycle arrest at the G0/G1 phase, and triggers apoptosis. Additionally, ER covalent antagonist-1 demonstrates antitumor activity in mouse models.
Targets(IC50)	Apoptosis,Estrogen Receptor/ERR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7585 mL	8.7923 mL	17.5846 mL
5 mM	0.3517 mL	1.7585 mL	3.5169 mL
10 mM	0.1758 mL	0.8792 mL	1.7585 mL
50 mM	0.0352 mL	0.1758 mL	0.3517 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481