

Anticancer agent 59

Chemical Properties

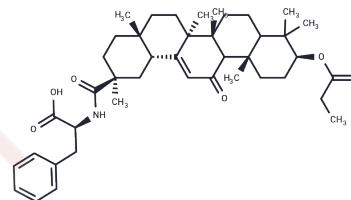
CAS No. :

Formula: C₄₂H₅₉N₆O₆

Molecular Weight: 673.92

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	Anticancer agent 59, an inhibitor active against various cancer cell lines, particularly demonstrates efficacy in A549 cells with an IC ₅₀ value of 0.2 μM. It prompts apoptosis, elevates Ca ²⁺ and ROS levels within cancer cells, and markedly reduces mitochondrial membrane potential. Additionally, it effectively curtails tumor growth in the A549 mouse xenograft model.
Targets(IC50)	Apoptosis,Others,ROS Kinase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4839 mL	7.4193 mL	14.8386 mL
5 mM	0.2968 mL	1.4839 mL	2.9677 mL
10 mM	0.1484 mL	0.7419 mL	1.4839 mL
50 mM	0.0297 mL	0.1484 mL	0.2968 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