

## Anticancer agent 58

## Chemical Properties

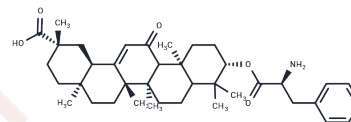
CAS No. :

Formula: C<sub>39</sub>H<sub>55</sub>N<sub>5</sub>O<sub>5</sub>

Molecular Weight: 617.86

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 58 exhibits inhibitory activity against various cancer cell lines, particularly A549 and T24, with IC <sub>50</sub> values of 0.6 μM and 0.7 μM, respectively. It promotes apoptosis through the activation of caspase 3/8/9, and elevates levels of Ca <sup>2+</sup> and ROS within cancer cells. Additionally, it significantly reduces mitochondrial membrane potential and suppresses tumor growth in the T24 mouse xenograft model.
Targets(IC <sub>50</sub> )	Apoptosis,Others,Caspase,ROS Kinase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6185 mL	8.0924 mL	16.1849 mL
5 mM	0.3237 mL	1.6185 mL	3.237 mL
10 mM	0.1618 mL	0.8092 mL	1.6185 mL
50 mM	0.0324 mL	0.1618 mL	0.3237 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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