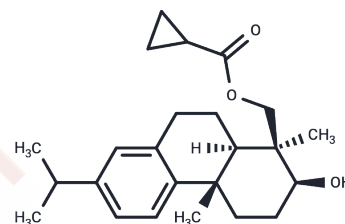


## Antitumor agent-97

## Chemical Properties

CAS No. :	2654024-16-3
Formula:	C <sub>24</sub> H <sub>34</sub> O <sub>3</sub>
Molecular Weight:	370.52
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	Antitumor agent-97 (compound 42), an anticancer agent, effectively inhibits proliferation and autophagy in MGC 803 cells, induces apoptosis, and enhances ROS accumulation, proving useful in cancer research [1].
Targets(IC50)	Apoptosis, Autophagy
In vitro	Antitumor agent-97 (Compound 42; 0-200 $\mu$ M; 24 h) inhibits the viability of MGC 803 cells in a concentration-dependent manner, with an IC <sub>50</sub> of 20.921 $\mu$ M [1]. At 20 $\mu$ M for 24 hours, it reduces proliferation, induces apoptosis, inhibits autophagic activity, and increases ROS accumulation in MGC 803 cells [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6989 mL	13.4945 mL	26.9891 mL
5 mM	0.5398 mL	2.6989 mL	5.3978 mL
10 mM	0.2699 mL	1.3495 mL	2.6989 mL
50 mM	0.054 mL	0.2699 mL	0.5398 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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