

Antiproliferative agent-59

Chemical Properties

CAS No. :

Formula: C₂₆H₂₂N₂O₃

Molecular Weight: 410.46

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	Antiproliferative agent-59 (Compound 14u) acts as an inhibitor of tubulin polymerization. Demonstrating anticancer activity in Huh7, SGC-7901, and MCF-7 cell lines, this compound achieves IC ₅₀ values of 0.03, 0.18, and 0.13 μ M, respectively. Additionally, it arrests the cell cycle at the G ₂ /M phase and induces apoptosis in Huh7 cells. In a xenograft mouse model utilizing Huh7 cells, Antiproliferative agent-59 exhibits antitumor effects against hepatocellular carcinoma without significant toxicity.
Targets(IC ₅₀)	Apoptosis, Microtubule Associated

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4363 mL	12.1815 mL	24.3629 mL
5 mM	0.4873 mL	2.4363 mL	4.8726 mL
10 mM	0.2436 mL	1.2181 mL	2.4363 mL
50 mM	0.0487 mL	0.2436 mL	0.4873 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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