

Anticancer agent 264

Chemical Properties

CAS No. :

Formula: C₂₃H₁₈ClF₅N₆O

Molecular Weight: 524.87

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	Anticanceragent 264 (Compound 5w) is an anticancer compound that exhibits significant antiproliferative activity in tumor cell lines, with an IC ₅₀ range of 7.5-33.67 μM. It notably induces cell cycle arrest at the G ₂ /M phase in MDA-MB-231, MIA PaCa-2, and DU-145 cell lines. This compound reduces key cell cycle proteins CDK1, CDK2, and Cyclin B1 in a dose-dependent manner and has strong binding activity with differentiation inhibitors and DNA-binding proteins. Anticanceragent 264 is useful for research in the cancer disease domain.
Targets(IC ₅₀)	CDK,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9052 mL	9.5262 mL	19.0523 mL
5 mM	0.381 mL	1.9052 mL	3.8105 mL
10 mM	0.1905 mL	0.9526 mL	1.9052 mL
50 mM	0.0381 mL	0.1905 mL	0.381 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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