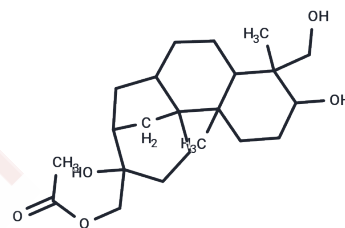


Aphidicolin 17-acetate

Chemical Properties

CAS No. : 51103-57-2
 Formula: C₂₂H₃₆O₅
 Molecular Weight: 380.518
 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	Aphidicolin 17-acetate is a selective inhibitor of eukaryotic DNA polymerase α (DNA polymerase α) that does not inhibit DNA polymerases β and γ . It significantly suppresses DNA synthesis in sea urchin embryos and HeLa cells in vivo without affecting RNA and protein synthesis.
Targets(IC50)	DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.628 mL	13.1399 mL	26.2798 mL
5 mM	0.5256 mL	2.628 mL	5.256 mL
10 mM	0.2628 mL	1.314 mL	2.628 mL
50 mM	0.0526 mL	0.2628 mL	0.5256 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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