

Daunorubicin citrate

Chemical Properties

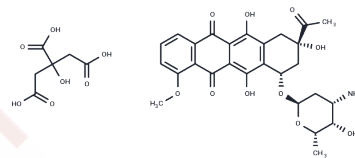
CAS No. : 1884557-85-0

Formula: C33H37NO17

Molecular Weight: 719.64

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	Daunorubicin (Daunomycin) citrate, a potent anti-tumor anthracycline antibiotic, acts as a topoisomerase II inhibitor. It effectively inhibits DNA and RNA synthesis, diminishes cancer cell viability, and promotes apoptosis and necrosis. This cytotoxic compound is utilized in researching a range of cancers, such as leukemia, non-Hodgkin lymphomas, Ewing's sarcoma, and Wilms' tumor, as well as infections [1] [2] [4] [5].
Targets(IC50)	Apoptosis, Antibacterial, Antibiotic, Autophagy, ADC Cytotoxin, DNA/RNA Synthesis, Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3896 mL	6.9479 mL	13.8958 mL
5 mM	0.2779 mL	1.3896 mL	2.7792 mL
10 mM	0.139 mL	0.6948 mL	1.3896 mL
50 mM	0.0278 mL	0.139 mL	0.2779 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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