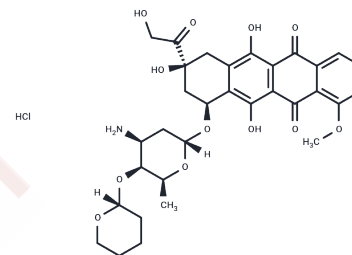


Pirarubicin HCl

Chemical Properties

CAS No. :	95343-20-7
Formula:	C ₃₂ H ₃₈ ClNO ₁₂
Molecular Weight:	664.1
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	Pirarubicin HCl is the hydrochloride salt form of pirarubicin, an analogue of the anthracycline antineoplastic antibiotic doxorubicin with antineoplastic activity. Pirarubicin intercalates into DNA and interacts with topoisomerase II, thereby inhibiting DNA replication and repair as well as RNA and protein synthesis. This agent is less cardiotoxic than doxorubicin and exhibits activity against some doxorubicin-resistant cell lines.
Targets(IC50)	Others, Antibacterial, Antibiotic, Autophagy, Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5058 mL	7.529 mL	15.058 mL
5 mM	0.3012 mL	1.5058 mL	3.0116 mL
10 mM	0.1506 mL	0.7529 mL	1.5058 mL
50 mM	0.0301 mL	0.1506 mL	0.3012 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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