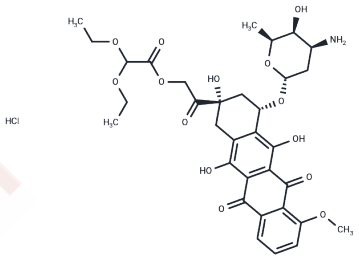
Data Sheet (Cat.No.T68948)

TargetMol

Detorubicin HCl

Chemical Properties



CAS No. : 64291-45-8

Formula: C33H40ClNO14

Molecular Weight: 710.126

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	Detorubicin is a semi-synthetic derivative of the anthracycline antineoplastic antibiotic daunorubicin. Detorubicin intercalates into DNA and interacts with topoisomerase II, thereby inhibiting DNA replication and repair and RNA and protein synthesis. This agent also produces toxic free-radical intermediates and interacts with cell membrane lipids causing lipid peroxidation. Detorubicin is less toxic than daunorubicin.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4082 mL	7.041 mL	14.0819 mL
5 mM	0.2816 mL	1.4082 mL	2.8164 mL
10 mM	0.1408 mL	0.7041 mL	1.4082 mL
50 mM	0.0282 mL	0.1408 mL	0.2816 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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