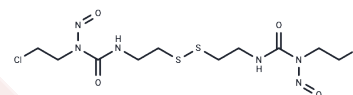


## Ditiomustine

## Chemical Properties

CAS No. :	82599-22-2
Formula:	C10H18Cl2N6O4S2
Molecular Weight:	421.31
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	Ditiomustine is a nitrosourea compound with alkylating activity. Ditiomustine crosslinks DNA, resulting in the inhibition of DNA replication and eventually cellular proliferation. It was developed as antineoplastic agent.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3735 mL	11.8677 mL	23.7355 mL
5 mM	0.4747 mL	2.3735 mL	4.7471 mL
10 mM	0.2374 mL	1.1868 mL	2.3735 mL
50 mM	0.0475 mL	0.2374 mL	0.4747 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.

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