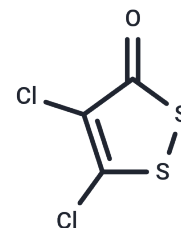


4,5-Dichloro-3H-1,2-dithiol-3-one

Chemical Properties

CAS No. :	1192-52-5
Formula:	C ₃ Cl ₂ O ₂ S ₂
Molecular Weight:	187.07
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	4,5-Dichloro-3H-1,2-dithiol-3-one (Dichloro-1,2-dithiacyclopentenone) serves as an inhibitor of the Escherichia coli FabH enzyme, with an inhibition concentration (IC ₅₀) of 2.9 μM. Additionally, it is employed as a biocide in the production of paper and cardboard intended for food contact.
Targets(IC ₅₀)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.3456 mL	26.728 mL	53.4559 mL
5 mM	1.0691 mL	5.3456 mL	10.6912 mL
10 mM	0.5346 mL	2.6728 mL	5.3456 mL
50 mM	0.1069 mL	0.5346 mL	1.0691 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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