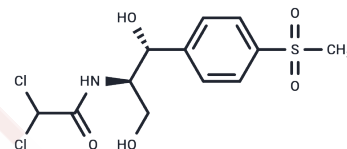


## Thiamphenicol

## Chemical Properties

CAS No. :	15318-45-3
Formula:	C <sub>12</sub> H <sub>15</sub> Cl <sub>2</sub> NO <sub>5</sub> S
Molecular Weight:	356.22
Appearance:	no data available
Storage:	keep away from moisture, keep away from direct sunlight
	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Thiamphenicol (Dextrosulphenidol) is a methylsulfonyl analog of chloramphenicol. It is an antibiotic and immunosuppressive agent.
Targets(IC50)	Antibacterial, Antibiotic

## Solubility Information

Solubility	DMSO: 55 mg/mL (154.4 mM), Sonication is recommended. Ethanol: < 1 mg/mL (insoluble or slightly soluble), H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8073 mL	14.0363 mL	28.0725 mL
5 mM	0.5615 mL	2.8073 mL	5.6145 mL
10 mM	0.2807 mL	1.4036 mL	2.8073 mL
50 mM	0.0561 mL	0.2807 mL	0.5615 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.

## Reference

Berman HM, et al. Nucleic Acids Res. 2000 Jan 1; 28(1): 235-42.

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