

## Dixanthogen

## Chemical Properties

CAS No. : 502-55-6

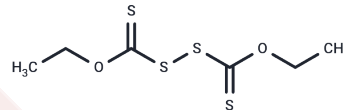
Formula: C<sub>6</sub>H<sub>10</sub>O<sub>2</sub>S<sub>4</sub>

Molecular Weight: 242.4

Pure form: -20°C for 3 years | In solvent: -80°C for 1

Storage: year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Dixanthogen (Auligen) is an ectoparasiticide. Dixanthogen is a thiocarbonyl compound.
Targets(IC50)	Parasite

## Solubility Information

Solubility	DMSO: 60 mg/mL (247.52 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (20.63 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1254 mL	20.6271 mL	41.2541 mL
5 mM	0.8251 mL	4.1254 mL	8.2508 mL
10 mM	0.4125 mL	2.0627 mL	4.1254 mL
50 mM	0.0825 mL	0.4125 mL	0.8251 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.

Reference

DANBOLT N. Acta Derm Venereol. 1945; 26(1):103.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481