## Data Sheet (Cat.No.T0830)



## Bithionol

Chemical Propert	ies	
CAS No. :	97-18-7	ci I
Formula:	C12H6Cl4O2S	HO
Molecular Weight:	356.05	s CI
Appearance: 🦲	no data available	ОН
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year	

## **Biological Description**

Description	Bithionol (Actamer), formerly marketed as an active ingredient in various topical drug products, was shown to be a potent photosensitizer with the potential to cause serious skin disorders. Approvals of the NDA's for bithionol drug products were withdrawn on October 24, 1967.	
Targets(IC50)	cAMP,Parasite	
Cell Research	Ovarian cancer cell lines (5 × 103 cells/well) were plated into 96- well flat bottom plates (Corning, Inc., Corning, NY) and incubated for overnight. Cells were treated with different concentrations of BT ranging from 0.178 μM to 400 μM and further incubated for 48 hrs or 72 hrs. (Only for Reference)	

Solubility Information	
Solubility	DMSO: 60 mg/mL (168.52 mM), br/>H2O: < 1 mg/mL (insoluble or slightly
Solubility	soluble), br/>Ethanol: 21 mg/mL (59 mM), br/>(< 1 mg/ml refers to the product
	slightly soluble or insoluble)
Preparing Stock Solutions	

<u> 70</u>	1mg	5mg	10mg
1 mM	2.8086 mL	14.043 mL	28.0859 mL
5 mM	0.5617 mL	2.8086 mL	5.6172 mL
10 mM	0.2809 mL	1.4043 mL	2.8086 mL
50 mM	0.0562 mL	0.2809 mL	0.5617 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

Xie Y, Cwiertny DM. Environ Sci Technol. 2010 Nov 15;44(22):8649-8655.

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