

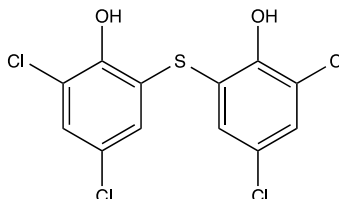
**Catalog # 10-4567**

**Bithionol**

CAS# 97-18-7

Bis(2-hydroxy-3,5-dichlorophenyl)sulfide

Lot # FBA2169



Bithionol is an antihelmintic drug with bacteriostatic and fungicidal properties. Bithionol has also been found to be an inhibitor of glutamate dehydrogenase<sup>1,2</sup> (IC<sub>50</sub> = 4.8 μM bovine GDH<sup>1</sup>).

- 1) Li *et al.* (2009), *Novel inhibitors complexed with glutamate dehydrogenase: allosteric regulation by control of protein dynamics*; J.Biol.Chem. **284** 22988
- 2) Zocher *et al.* (2012), *Biochemical and structural characterization of Plasmodium falciparum glutamate dehydrogenase 2*; Mol.Biochem.Parasitol. **183** 52

**PHYSICAL DATA**

Molecular Weight:	356.05
Molecular Formula:	C <sub>12</sub> H <sub>6</sub> Cl <sub>4</sub> O <sub>2</sub> S
Purity:	>98%
	NMR: (Conforms)
Solubility:	Soluble in DMSO (>25 mg/mL) and ethanol (>25 mg/mL)
Physical Description:	White solid
Storage and Stability:	Store as supplied at room temperature for up to 1 year from the date of purchase. Store solutions at -20°C for up to 1 month.

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