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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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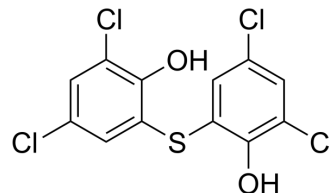
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Bithionol (Standard)

Cat. No.:	HY-17592R
CAS No.:	97-18-7
Molecular Formula:	C ₁₂ H ₆ Cl ₄ O ₂ S
Molecular Weight:	356.05
Target:	Bacterial; Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Bithionol (Standard) is the analytical standard of Bithionol. This product is intended for research and analytical applications. Bithionol is an antibacterial, anthelmintic, and algaecide agent. Bithionol is also a potent inhibitor of soluble adenylyl cyclase through binding to the allosteric activator site (IC ₅₀ : 4 μM) ^{[1][2]} .
IC₅₀ & Target	Adenylyl cyclase ^[2]

REFERENCES

- [1]. Florent RL, et al. In vitro toxicity of bithionol and bithionol sulphoxide to Neoparamoeba spp., the causative agent of amoebic gill disease (AGD). Dis Aquat Organ. 2010 Sep 17;91(3):257-62.
- [2]. Silke Kleinboelting, et al. Bithionol Potently Inhibits Human Soluble Adenylyl Cyclase through Binding to the Allosteric Activator Site. J Biol Chem. 2016 Apr 29;291(18):9776-84.
- [3]. J Maki, et al. Anthelmintic effects of bithionol, paromomycin sulphate, flubendazole and mebendazole on mature and immature Hymenolepis nana in mice. J Helminthol. 1985 Sep;59(3):211-6.

Caution: Product has not been fully validated for medical applications. For research use only.

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