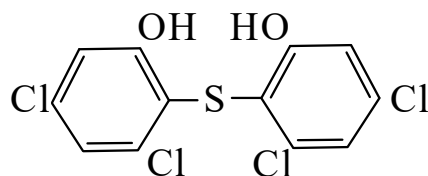




>>Entry Name: **2,2'-Thiobis[4,6-dichlorophenol]**, 9Cl, 8Cl

Synonym(s): 2,2',4,4'-Tetrachloro-6,6'-dihydroxydiphenyl sulfide. **Bithionol**, BAN, INN. Actamer. Anafongine. Bacterostat CS 1. Bisoxyphen. Bitin. Lorotheidol. Nobacter (obsol.). Prevenol



CAS Registry Number: 97-18-7

Molecular Formula: C₁₂H₆Cl₄O₂S

Molecular Weight: 356.055

Accurate Mass: 353.884258

Percentage Composition: C 40.48%; H 1.70%; Cl 39.83%; O 8.99%; S 9.01%

Use/Importance: Bactericide, anthelmintic, algicide, formerly used in soaps and cosmetics. Used for photometric detn. of Fe

Physical Description: Cryst.

Melting Point: Mp 185.5-186.5°

Solubility: Sol. dil. alkalis

Calculated Log P Data: Log P 5.72 (calc)

Hazard & Toxicity: Causes photosensitivity and cross-sensitisation reactions, banned in cosmetics by the FDA. LD₅₀ (rat, orl) 7 mg/kg

Sigma: T9881

>>Derivative: Di-Na salt

Synonym(s): Bithionolate sodium, USAN. Sodium bitionolate, INN. Vancide BN

CAS Registry Number: 6385-58-6

>>Derivative: S-Oxide

Synonym(s): Bithionoloxide, INN. Bitin S. Disto 5. Distobitin. Neodistol. Sulfene (soviet)

CAS Registry Number: 844-26-8

Molecular Formula: C₁₂H₆Cl₄O₃S

Molecular Weight: 372.054

Accurate Mass: 369.879173

Percentage Composition: C 38.74%; H 1.63%; Cl 38.12%; O 12.90%; S 8.62%

Use/Importance: Anthelmintic

Physical Description: Needles

Melting Point: Mp 220°

Calculated Log P Data: Log P 4.79 (calc)

Sigma: S8259

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