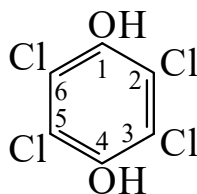




>>Entry Name: **2,3,5,6-Tetrachloro-1,4-benzenediol**, 9Cl

Synonym(s): Tetrachloroquinol. Tetrachlorohydroquinone. 1,2,4,5-Tetrachloro-3,6-dihydroxybenzene. Nordrosophilin A



CAS Registry Number: 87-87-6

Molecular Formula: C₆H₂Cl₄O₂

Molecular Weight: 247.891

Accurate Mass: 245.880888

Percentage Composition: C 29.07%; H 0.81%; Cl 57.21%; O 12.91%

Physical Description: Needles (AcOH)

Melting Point: Mp 243-245° (sinters at 236°)

Hazard & Toxicity: LD₅₀ (mus, orl) 500 mg/kg

Sigma: T2153

>>Derivative: Di-Ac

Molecular Formula: C₁₀H₆Cl₄O₄

Molecular Weight: 331.966

Accurate Mass: 329.902018

Percentage Composition: C 36.18%; H 1.82%; Cl 42.72%; O 19.28%

Physical Description: Needles (AcOH)

Melting Point: Mp 251°

>>Derivative: Mono-Me ether

Synonym(s): 2,3,5,6-Tetrachloro-4-methoxyphenol, 9Cl. **Drosophilin A**

CAS Registry Number: 484-67-3

Biological Source: Isol. from *Drosophila subatrata*

Use/Importance: Shows antibiotic props.

Physical Description: Cryst. (hexane or EtOH)

Melting Point: Mp 116-117°

Solubility: BERDY SOL: Sol. MeOH, Et₂O, bases; poorly sol. H₂O

UV: [neutral] λ_{max} 301 () (MeOH) (Berdy) [neutral] λ_{max} 209 (); 286 (); 294 () (EtOH) (Berdy)

>>Derivative: Di-Me ether

Synonym(s): 1,2,4,5-Tetrachloro-3,6-dimethoxybenzene. **O-Methyldrosophilin A**

CAS Registry Number: 944-78-5

Molecular Formula: C₈H₆Cl₄O₂

Molecular Weight: 275.945

Accurate Mass: 273.912188

Percentage Composition: C 34.82%; H 2.19%; Cl 51.39%; O 11.60%

Biological Source: Found in the wood-rotting fungus *Fomes fastuosus*

Physical Description: Needles

Melting Point: Mp 164°

Solubility: BERDY SOL: Sol. MeOH, C₆H₆; poorly sol. H₂O

UV: [neutral] λ_{max} 280 () (MeOH) (Berdy) [neutral] λ_{max} 210 (ε 29800); 294 (ε 276) (EtOH) (Berdy)

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