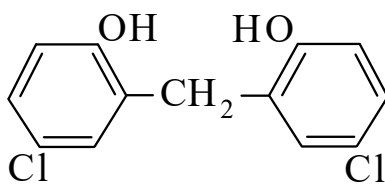




>>Entry Name: Dichlorophen, BAN, BSI, INN, ISO

Synonym(s): 2,2'-Methylenebis[4-chlorophenol], 9Cl, 8Cl. Bis(5-chloro-2-hydroxyphenyl)methane. Anthiphen. Dicestral. Super Mosstox. Many other names



CAS Registry Number: 97-23-4

Related CAS Registry Numbers(s): 1322-43-6

Molecular Formula: C₁₃H₁₀Cl₂O₂

Molecular Weight: 269.126

Accurate Mass: 268.005784

Percentage Composition: C 58.02%; H 3.75%; Cl 26.35%; O 11.89%

Use/Importance: Bactericide for cosmetics and for protection of textiles; anthelmintic; agricultural fungicide

Melting Point: Mp 177-178°

Solubility: Spar. sol. toluene

pKa Value: pK_{a1} 7.6; pK_{a2} 11.6

Calculated Log P Data: Log P 4.89 (calc)

Other Data: Use discontinued in proprietary products such as moss-killers in the UK (1997)

Hazard & Toxicity: Contact allergic dermatitis and photosensitivity reported from topical use. Gastrointestinal disturbances and adverse hepatic effects from oral use. LD₅₀ (rat, orl) 1506 mg/kg. LD₅₀ (rat, ivn) 17 mg/kg

Aldrich: 37398-2

Sigma: M1389

>>Derivative: Di-Ac

CAS Registry Number: 56186-92-6

Molecular Formula: C₁₇H₁₄Cl₂O₄

Molecular Weight: 353.201

Accurate Mass: 352.026914

Percentage Composition: C 57.81%; H 4.00%; Cl 20.08%; O 18.12%

Melting Point: Mp 98-100°

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