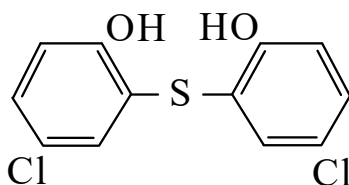




>>Entry Name: **2,2'-Thiobis[4-chlorophenol]**, 9Cl, 8Cl

Synonym(s): Fenticlor, BAN, INN, USAN. Di(5-chloro-2-hydroxyphenyl) sulfide. 5,5'-Dichloro-2,2'-dihydroxydiphenyl sulfide. Chlorhydrosulfide. Fenticlor. Ovitrol. Phentichlorum. NSC 4112. Many other names



CAS Registry Number: 97-24-5

Molecular Formula: C₁₂H₈Cl₂O₂S

Molecular Weight: 287.165

Accurate Mass: 285.962204

Percentage Composition: C 50.19%; H 2.81%; Cl 24.69%; O 11.14%; S 11.17%

Biological Use/Importance: Fungicide, bactericide, anthelmintic. Used topically

Physical Description: Needles (toluene)

Melting Point: Mp 175°

Solubility: Sol. dil. alkalis, EtOH, hot C₆H₆

Calculated Log P Data: Log P 5.23 (calc)

Hazard & Toxicity: Photosensitivity reactions reported

Rare Chemicals Library: S75184-7

References:

- Ariyan, Z.S. *et al.*, *J.C.S.*, 1962, 3876, (*synth*)
Fogg, A.G. *et al.*, *Anal. Chim. Acta*, 1970, **51**, 265, (*metal complexes*)
Gurvich, Ya.A. *et al.*, *Zh. Obshch. Khim.*, 1970, **40**, 2691, (*pmr*)
Ivanova, T.M. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1971, 435, (*ir*)
Denisova, L.I. *et al.*, *Khim.-Farm. Zh.*, 1973, **7**, 33, (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., Akademie-Verlag, 1987, 2196
Martindale, *The Extra Pharmacopoeia*, 31st edn., Pharmaceutical Press, 1996, 404