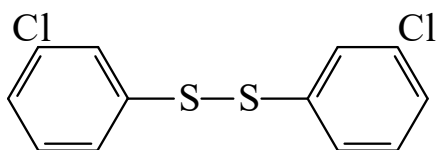




>>Entry Name: Bis(3-chlorophenyl) disulfide, 9Cl

Synonym(s): 3,3'-Dichlorodiphenyl disulfide



CAS Registry Number: 19742-92-8

Molecular Formula: C₁₂H₈Cl₂S₂

Molecular Weight: 287.233

Accurate Mass: 285.944444

Percentage Composition: C 50.18%; H 2.81%; Cl 24.69%; S 22.33%

Use/Importance: Additive to lubricating oils

Physical Description: Yellow liq.

Boiling Point: Bp_{0.04} 160-170° (Kugelrohr)

>>Derivative: S,S-Dioxide

Molecular Formula: C₁₂H₈Cl₂O₂S₂

Molecular Weight: 319.231

Accurate Mass: 317.934274

Percentage Composition: C 45.15%; H 2.53%; Cl 22.21%; O 10.02%; S 20.09%

Physical Description: Solid (petrol)

Melting Point: Mp 61-62°

References:

Leandri, G. *et al.*, *Ann. Chim. (Rome)*, 1954, **44**, 255; *CA*, **49**, 15782g, (*dioxide*)

Happer, D.A.R. *et al.*, *Aust. J. Chem.*, 1973, **26**, 121, (*synth*)

Overman, L.E. *et al.*, *J.A.C.S.*, 1974, **96**, 6081, (*synth*)

McKillop, A. *et al.*, *Tet. Lett.*, 1990, **31**, 5007, (*synth*)