



>>Entry Name: 4,4'-Thiobisbenzenethiol, 9Cl

Synonym(s): 4,4'-Thiodibenzenethiol, 8Cl. Bis(4-mercaptophenyl) sulfide. 4,4'-Dimercaptodiphenyl sulfide

CAS Registry Number: 19362-77-7

Molecular Formula: C₁₂H₁₀S₃

Molecular Weight: 250.409

Accurate Mass: 249.99446

Percentage Composition: C 57.56%; H 4.03%; S 38.42%

Use/Importance: Used in synth. of indigoid dyes and polymers

Physical Description: Cryst. (EtOH)

Melting Point: Mp 118° (114°)

Aldrich: 39624-9

References:

Tomita, M. *et al.*, *Yakugaku Zasshi*, 1949, **69**, 403, (*synth*)

Dutta, P.C. *et al.*, *J. Indian Chem. Soc.*, 1956, **33**, 812, (*synth, use*)

Gabarczyk, J., *Makromol. Chem.*, 1986, **187**, 2489, (*cryst struct*)

Schultz, G. *et al.*, *J. Mol. Struct.*, 1987, **160**, 267, (*cryst struct*)

Mielosynski, J.L. *et al.*, *Sulfur Lett.*, 1988, **8**, 27, (*cmr*)

Wejchan-Judek, M. *et al.*, *Synth. Commun.*, 1998, **28**, 197-199, (*synth, ir, pmr*)