



>>Entry Name: **Bis(3-hydroxyphenyl) disulfide**

Synonym(s): 3,3'-Dithiobisphenol, 9CI. 3,3'-Dithiodiphenol, 8CI. Di(3-hydroxyphenyl) disulfide

CAS Registry Number: 21101-56-4

Molecular Formula: C₁₂H₁₀O₂S₂

Molecular Weight: 250.342

Accurate Mass: 250.01222

Percentage Composition: C 57.57%; H 4.03%; O 12.78%; S 25.62%

Physical Description: Needles (petrol)

pKa Value: pK_{a1} 10.38; pK_{a2} 10.78 (25°, 0.001M 50% EtOH aq.)

>>Derivative: Di-Me ether

Synonym(s): Bis(3-methoxyphenyl) disulfide, 9CI. 3,3'-Dithiodianisole

CAS Registry Number: 59014-89-0

Molecular Formula: C₁₄H₁₄O₂S₂

Molecular Weight: 278.395

Accurate Mass: 278.04352

Percentage Composition: C 60.40%; H 5.07%; O 11.49%; S 23.04%

Melting Point: Mp 109°

References:

Oae, S. *et al.*, *Bull. Chem. Soc. Jpn.*, 1968, **41**, 2082, (*synth*, *uv*, *pmr*)