



>>Entry Name: 4,4'-Dimethyldiphenyl disulfide

Synonym(s): Bis(4-methylphenyl) disulfide, 9CI. Bis(*p*-tolyl) disulfide, 8CI. Di-*p*-tolyl disulfide

CAS Registry Number: 103-19-5

Structure by analogy with 2,2'-Dimethyldiphenyl disulfide, [FBP21-L](#)

Molecular Formula: C₁₄H₁₄S₂

Molecular Weight: 246.397

Accurate Mass: 246.05369

Percentage Composition: C 68.25%; H 5.73%; S 26.03%

Physical Description: Cryst.

Melting Point: Mp 58° (43-44°)

Boiling Point: Bp_{0.6} 122°

Aldrich: T3980-2

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1185A, (*ir*)

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 441B, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1105B, (*ir*)

Granath, I., *Tetrahedron*, 1969, **25**, 3919

Laatsch, H. *et al.*, *J. Prakt. Chem.*, 1996, **338**, 140, (*synth, pmr, ms*)

Wu, X. *et al.*, *Synth. Commun.*, 1996, **26**, 191, (*synth*)

Noureldin, N.A. *et al.*, *Synthesis*, 1998, 1587-1589, (*synth, ir, pmr, ms*)