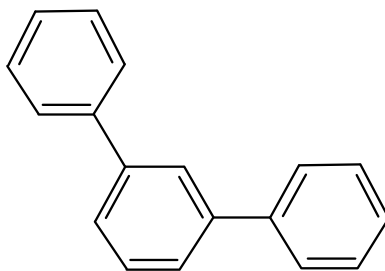




>>Entry Name: **1,1':3':1''-Terphenyl**, 9Cl

Synonym(s): *m*-Terphenyl, 8Cl. 1¹,1²:3²,1³-Terphenyl. 1,3-Diphenylbenzene. 3-Phenylbiphenyl



CAS Registry Number: 92-06-8

Related CAS Registry Numbers(s): 26140-60-3

Molecular Formula: C₁₈H₁₄

Molecular Weight: 230.309

Accurate Mass: 230.10955

Percentage Composition: C 93.87%; H 6.13%

Physical Description: Needles

Melting Point: Mp 89°

Boiling Point: Bp 363°

Hazard & Toxicity: Fl. p. 191 (oc). Eye, skin, mucous membrane irritant. LD₅₀ (rat, orl) 2400 mg/kg. OES: short-term 0.5 ppm

Aldrich: T300-9

Fluka: 86468

References:

- Aldrich Library of 13C and 1H FT NMR Spectra*, 1992, **2**, 29B, (*nmr*)
Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 948C, (*ir*)
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 872A, (*ir*)
France, H. *et al.*, *J.C.S.*, 1939, 1290, (*synth*)
Stewart, J.E. *et al.*, *J. Res. Natl. Bur. Stand. (U.S.)*, 1958, **60**, 125, (*Raman, ir*)
Anderson, D.M.W. *et al.*, *J.C.S.*, 1959, 3992, (*synth*)
Gallegos, E.J., *J. Phys. Chem.*, 1967, **71**, 1647, (*ms*)
Milazzo, G. *et al.*, *J. Chim. Phys. Phys.-Chim. Biol.*, 1968, **65**, 1171, (*uv*)
Otto, P. *et al.*, *J. Labelled Compd.*, 1968, **4**, 205, (*pmr*)
Kahovec, J. *et al.*, *Chem. Ind. (London)*, 1969, 919, (*synth*)
Hawton, J.J. *et al.*, *J. Chromatogr. Sci.*, 1970, **8**, 675, (*chromatog*)
Kirk-Othmer Encycl. Chem. Technol., 3rd edn., Wiley, 1978, **7**, 782, (*synth, props, use*)
Roth, K. *et al.*, *Org. Magn. Reson.*, 1980, **14**, 247, (*pmr*)
Tius, M.A. *et al.*, *Synthesis*, 1983, 467, (*synth*)
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, TBC620
Luxon, S.G., *Hazards in the Chemical Laboratory*, 5th edn., Royal Society of Chemistry, 1992, 1178
Chemical Hazards of the Workplace, 2nd edn., (eds. Proctor, N.H. *et al.*), J.B. Lippincott, 1988, 459