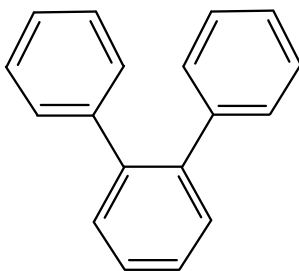




>>Entry Name: 1,1':2',1''-Terphenyl, 9CI

Synonym(s): *o*-Terphenyl, 8CI. 1,1²:2²,1³-Terphenyl. 1,2-Diphenylbenzene. 2-Phenylbiphenyl



CAS Registry Number: 84-15-1

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: Prisms (MeOH)

Melting Point: Mp 58°

Boiling Point: Bp 332°

Hazard & Toxicity: Fl. p. 163° (oc). Eye, skin and mucous membrane irritant. LD₅₀ (rat, orl) 1900 mg/kg. OES: short-term 0.5 ppm

Aldrich: T280-0

Fluka: 86467

Rare Chemicals Library: S41902-8

Supelco: 44-2721

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 29A, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 948B, (ir)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 871B; 871D, (ir)

Bachmann, W.E. *et al.*, *J.A.C.S.*, 1927, **49**, 2089, (synth)

Stewart, J.E., *J. Res. Natl. Bur. Stand. (U.S.)*, 1958, **60**, 125, (Raman, ir)

Gallegos, E.J., *J. Phys. Chem.*, 1967, **71**, 1647, (ms)

Milazzo, G. *et al.*, *J. Chim. Phys. Phys.-Chim. Biol.*, 1968, **65**, 1171, (uv)

Hawton, J.J. *et al.*, *J. Chromatogr. Sci.*, 1970, **8**, 675, (chromatog)

Brown, G.M. *et al.*, *Acta Cryst. B*, 1979, **35**, 785, (cryst struct)

Storek, W. *et al.*, *Z. Naturforsch., A*, 1979, **34**, 1334, (cmr)

Huber, W. *et al.*, *Chem. Ber.*, 1981, **114**, 1318, (cmr, pmr)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, TBC640; TBD000

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