



>>Entry Name: Tetraphenylethylene, 8Cl

Synonym(s): 1,1',1'',1'''-(1,2-Ethenediylidene)tetrakisbenzene, 9Cl

CAS Registry Number: 632-51-9

$\text{Ph}_2\text{C}=\text{CPh}_2$

Molecular Formula: $\text{C}_{26}\text{H}_{20}$

Molecular Weight: 332.444

Accurate Mass: 332.1565

Percentage Composition: C 93.94%; H 6.06%

Use/Importance: Forms a di-Na deriv. used in Wurtz couplings and diazoalkene decompositions

Physical Description: Needles (C_6H_6)

Melting Point: Mp 223-224°

Boiling Point: Bp 415-425°

Aldrich: T2620-4

Fluka: 88004

Supelco: 44-2800

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **2**, 38B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 954B, (*ir*)

Aldrich Library of IR Spectra, 432F, (*ir*)

Aldrich Library of NMR Spectra, **4**, 18D, (*pmr*)

Org. Synth., Coll. Vol., **4**, 1963, 914, (*synth*)

Proulx, T.W. *et al.*, *J. Magn. Reson.*, 1976, **23**, 477, (*cmr*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1977, **6**, 577

Riepe, W. *et al.*, *Adv. Mass Spectrom.*, 1978, **7B**, 1025, (*ms*)

Yeung, L.L. *et al.*, *J.O.C.*, 1990, **55**, 1874, (*synth, ms, pmr*)

Bock, K. *et al.*, *Angew. Chem., Int. Ed.*, 1992, **31**, 550, (*struct*)