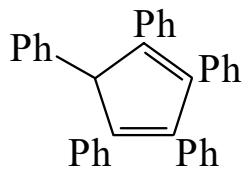




>>Entry Name: 1,2,3,4,5-Pentaphenyl-1,3-cyclopentadiene

Synonym(s): 1,1',1'',1''',1''''-(1,3-Cyclopentadiene-1,2,3,4,5-pentayl)pentakisbenzene, 9CI



CAS Registry Number: 2519-10-0

Molecular Formula: C₃₅H₂₆

Molecular Weight: 446.59

Accurate Mass: 446.20345

Percentage Composition: C 94.13%; H 5.87%

Use/Importance: Complexing agent

Physical Description: Yellowish cryst. or powder (xylene)

Melting Point: Mp 259-261° (244-246°) (reddens)

Other Data: Turns red in air

Aldrich: 30528-6

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 39B, (*nmr*)

Ziegler, K. *et al.*, *Annalen*, 1925, **445**, 266, (*synth*)

Chambers, J.W. *et al.*, *Organometallics*, 1986, **5**, 1635

Field, L.D. *et al.*, *Aust. J. Chem.*, 1990, **43**, 281, (*synth, ir, pmr*)

Bruce, M.I. *et al.*, *Aust. J. Chem.*, 1990, **43**, 949, (*rev*)