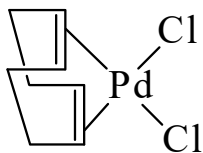




>>Entry Name: Dichloro[(1,2,5,6-η)-1,5-cyclooctadiene]palladium, 10Cl, 9Cl

Synonym(s): 1,5-Cyclooctadienepalladium dichloride



CAS Registry Number: 12107-56-1

Molecular Formula: C₈H₁₂Cl₂Pd

Molecular Weight: 285.508

Accurate Mass: 283.935082

Percentage Composition: C 33.66%; H 4.24%; Cl 24.83%; Pd 37.27%

Source/Synthesis: Synth. from Na₂PdCl₄ and cod

Use/Importance: Catalyses H₂O₂ oxidn. of cod and polym. of nbd

Biological Use/Importance: Antitumour activity reported

Physical Description: Pale yellow needles (HOAc)

Melting Point: Mp 205-210 dec.°

Solubility: Sol. C₆H₆, CHCl₃

Aldrich: 27589-1

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 751C, (nmr)

Chatt, J. *et al.*, *J.C.S.*, 1957, 3413, (synth, ir)

Fischer, E.O. *et al.*, *Chem. Ber.*, 1960, **93**, 2075, (synth, ir)

Heimbach, P., *J. Organomet. Chem.*, 1973, **49**, 483, (pmr)

Rettig, M.F. *et al.*, *J.A.C.S.*, 1981, **103**, 2980, (cryst struct)

Li, S. *et al.*, *Kexue Tongbao (Foreign Lang. edn.)*, 1987, **32**, 1685; *CA*, **110**, 74582c, (use)

Kumar, R. *et al.*, *Acta Cryst. C*, 1993, **49**, 1766, (cryst struct)

Synthetic Methods of Organometallic and Inorganic Chemistry, (ed. Hermann, W.A.), Thieme, 1996, **1**, 163, (synth, pmr)