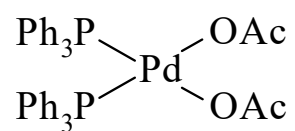




>>Entry Name: **Bis(acetato-*O*)bis(triphenylphosphine)palladium(II)**, 8Cl

Synonym(s): Bis(triphenylphosphine)palladium(II) acetate. Diethanoatobis(triphenylphosphine)palladium. Diacetoxabis(triphenylphosphine)palladium



CAS Registry Number: 14588-08-0

Related CAS Registry Numbers(s): 61425-87-4 70096-12-7

Molecular Formula: C₄₀H₃₆O₄P₂Pd

Molecular Weight: 749.089

Accurate Mass: 748.112362

Percentage Composition: C 64.14%; H 4.84%; O 8.54%; P 8.27%; Pd 14.21%

General Statement: Probable *cis*-square planar struct. shown. Solns. slowly dec.

Source/Synthesis: Synth. from Hexakis[μ-(acetato-*O*:*O*')]tripalladium [JXB70-X](#) + PPh₃

Use/Importance: Commercially available. Used as catalyst precursor for Pd(PPh₃)₂; catalyst for reaction of vinyl halides with alkenes, dehalogenation of aromatic halides etc.

Physical Description: Lemon yellow cryst. (Et₂O)

Melting Point: Mp 135-136°. Mp 118-120°

Solubility: Sol. CHCl₃

Aldrich: 22545-2

Fluka: 15254

References:

Stephenson, T.A. *et al.*, *J.C.S.*, 1965, 3632, (*synth, ir*)

Yoshimoto, H. *et al.*, *Bull. Chem. Soc. Jpn.*, 1973, **46**, 2490, (*synth*)

Goodfellow, J.A. *et al.*, *J.C.S. Dalton*, 1978, 1195, (*pmr, P-31 nmr*)

Patel, B.A. *et al.*, *J.O.C.*, 1979, **44**, 918, (*use*)