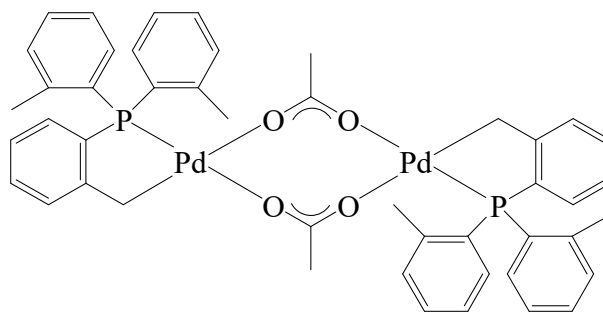




>>Entry Name: Bis[μ-(acetato-*O:O'*)]bis[[2-[bis(2-methylphenyl)phosphino]phenyl]methyl-*C,P*]dipalladium, ¹³Cl

Synonym(s): Diacetatobis[2-(di-*o*-tolylphosphino)phenylmethyl]dipalladium



CAS Registry Number: 172418-32-5

Molecular Formula: C₄₆H₄₆O₄P₂Pd₂

Molecular Weight: 937.655

Accurate Mass: 936.09409

Percentage Composition: C 58.92%; H 4.94%; O 6.83%; P 6.61%; Pd 22.70%

Source/Synthesis: Synth. from [JXB71-Y](#) and P(*o*-tolyl)₃

Use/Importance: Efficient and stable catalyst for Heck and Suzuki cross coupling reactions

Physical Description: Cryst. (CH₂Cl₂/toluene)

References:

Herrmann, W.A. *et al.*, *Angew. Chem., Int. Ed.*, 1995, **34**, 1844; 1848, (*synth, cryst struct, P-31 nmr, use*)

Louie, J. *et al.*, *Angew. Chem., Int. Ed.*, 1996, **35**, 2359, (*props*)

Herrmann, W.A. *et al.*, *J. Mol. Catal.*, 1996, **108**, 51, (*use*)

Beller, M. *et al.*, *Tet. Lett.*, 1996, **37**, 6535, (*use*)

Hennings, D.D. *et al.*, *J.O.C.*, 1997, **62**, 2, (*use*)

Synthetic Methods of Organometallic and Inorganic Chemistry, (ed. Hermann, W.A.), Thieme, 1997, **7**, 124-125, (*synth, ir, pmr, cmr, P-31 nmr*)

Speicher, A. *et al.*, *J. Prakt. Chem.*, 1999, **341**, 605-608, (*synth, use, rev*)