



>>Entry Name: Dichlorobis(tricyclohexylphosphine)palladium, 9Cl

CAS Registry Number: 29934-17-6

PdCl2(PCy3)2

Molecular Formula: $C_{36}H_{66}Cl_2P_2Pd$

Molecular Weight: 738.19

Accurate Mass: 736.305156

Percentage Composition: C 58.58%; H 9.01%; Cl 9.61%; P 8.39%; Pd 14.42%

Use/Importance: Catalyst for the carbonylation and amination of aryl halides

>>Variant: *trans*-form

CAS Registry Number: 78655-99-9

Molecular Formula: $C_{36}H_{66}Cl_2P_2Pd$

Molecular Weight: 738.19

Accurate Mass: 736.305156

Percentage Composition: C 58.58%; H 9.01%; Cl 9.61%; P 8.39%; Pd 14.42%

Source/Synthesis: Synth. from $Na_2[PdCl_4]$ + PCy_3 in aq. EtOH

Physical Description: Pale yellow cryst.

Melting Point: Mp 279-300°

References:

Huser, M. *et al.*, *Angew. Chem., Int. Ed.*, 1989, **28**, 1386, (*use, carbonylation*)

Grushin, V.V. *et al.*, *Inorg. Chem.*, 1994, **33**, 4804-4806, (*synth, pmr, cmr, P-31 nmr, cryst struct*)

Reddy, NP., *Tet. Lett.*, 1997, **38**, 4807-4810, (*use, amination*)