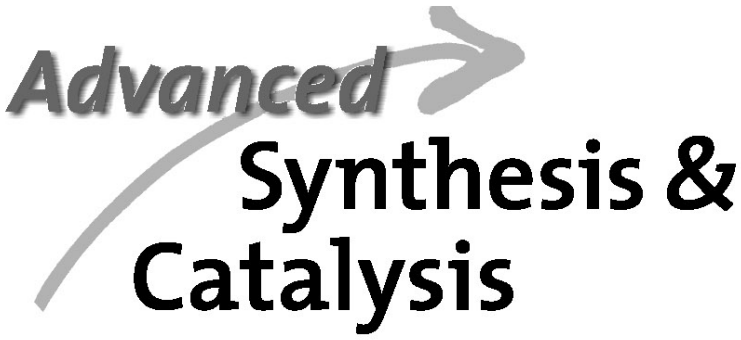


Supporting Information

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Topological mapping of bidentate ligands: A fast approach for screening homogeneous catalysts

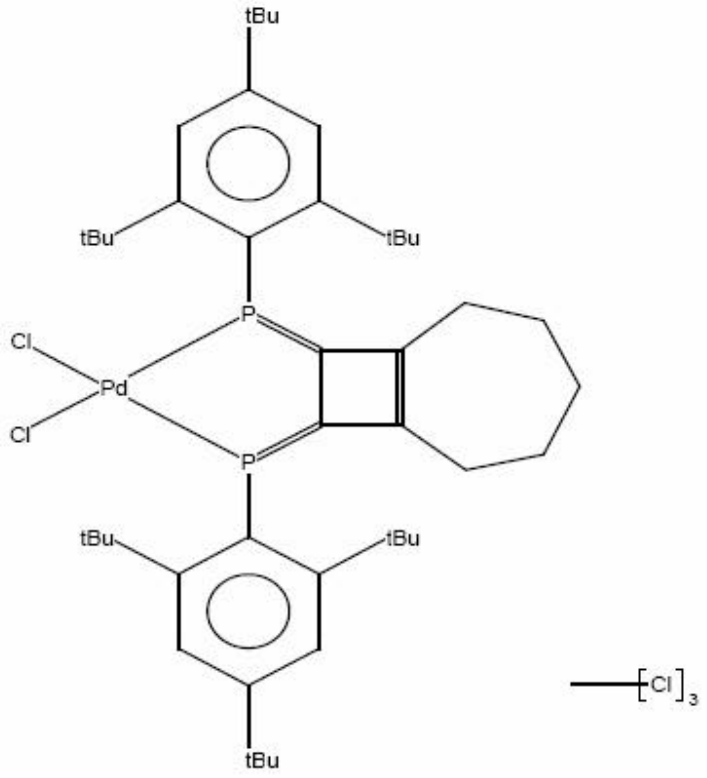
Enrico Burello, Gadi Rothenberg*
van 't Hoff Institute for Molecular Sciences, University of Amsterdam, Nieuwe Achtergracht 166, 1018 WV Amsterdam, The Netherlands.
Fax. +31 20 525 5604. E-mail gadi@science.uva.nl

Supporting information

ADUNOC

Reference:	N.Yamada, K.Abe, K.Toyota, M.Yoshifuji (2002) *Organic Letters* ,**4**,569
Formula:	$C_{45}\ H_{68}\ Cl_2\ P_2\ Pd_1,3(C_1\ H_1\ Cl_3)$
Compound Name:	Dichloro-(8,9-bis((2,4,6-tris(t-butyl)phenyl)phosphinidene) bicyclo[5.2.0]nona-1(7)-ene-P,P')-palladium(ii) chloroform solvate

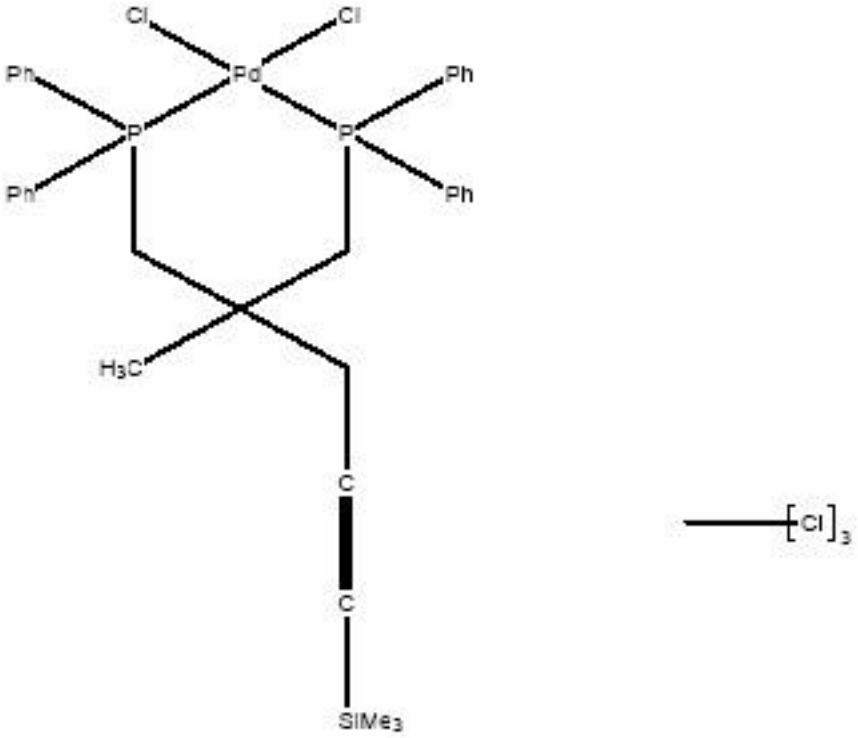
Space Group:	P21	***Cell:***	***a***	10.341(1)	***b***	20.237(6)	***c*** 15.070(2)
Space Group No.:	4	***(Å,°)***	α	90.00	β	108.71(0)	γ 90.00
R-Factor (%):	5.73	***Temperature(K):***	288		***Density(g/cm³):***		1.341



AHAJEY

Reference:	R.A.Findels, L.H.Gade (2002) *J.Chem.Soc.,Dalton Trans.*, 3952
Formula:	C_{34} H_{38} Cl_2 P_2 Pd_1 Si_1.2(C_1 H_1 Cl_3)
Compound Name:	(2-(3-Trimethylsilylprop-2-ynyl)-2-methylpropane-1,3-diyl-bis(diphenylphosphino))-dichloro-palladium chloroform solvate

Space Group:	P21/c	***Cell:***	***a***	16.678(0)	***b***	18.016(0)	***c*** 14.001(0)
Space Group No.:	14	***(Å,°)***	α	90.00	β	92.17(0)	γ 90.00
R-Factor (%):	4.90	***Temperature(K):***		173	***Density(g/cm^3):***		1.505

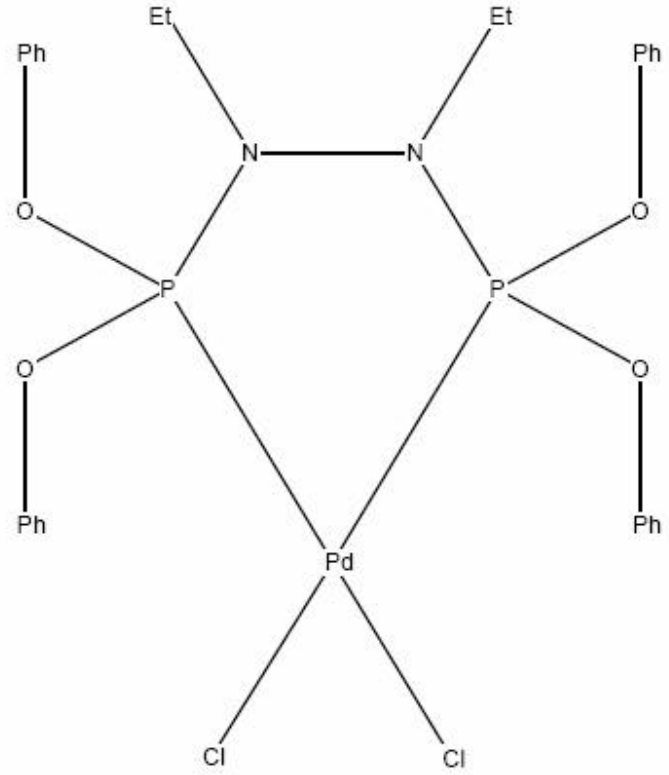


BAGHIB

Reference:	A.M.Z.Slawin, M.Wainwright, J.D.Woollins (2002) *J.Chem.Soc.,Dalton Trans.* ,513
Formula:	$C_{28}H_{30}Cl_2N_2O_4P_2Pd_1$
Compound Name:	cis-Dichloro-bis(1,2-bis(diphenylphosphito)-1,2-diethylhydrazine-P,P')-palladium(ii)

Space Group:	P21/n	***Cell:***	***a***	22.289(0)	***b***	8.806(0)	***c*** 32.043(0)
Space Group No.:	14	***(Å,°)***	α	90.00	β	105.61	γ 90.00

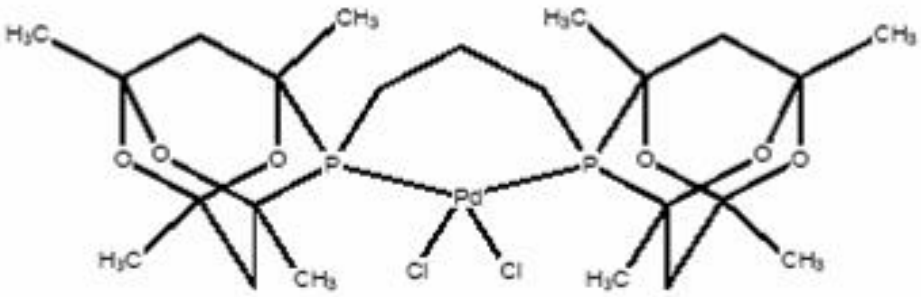
R-Factor (%):	4.49	***Temperature(K):***	293	***Density(g/cm³):***	1.530



BAMQIP

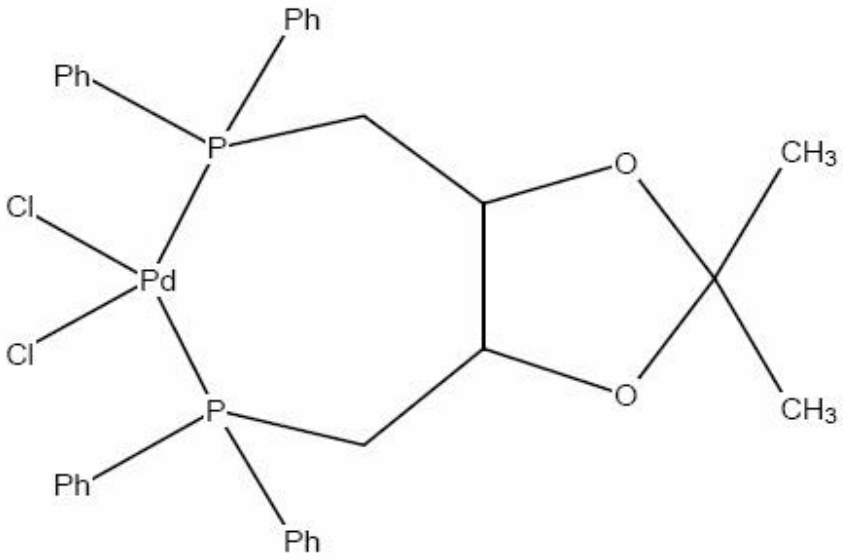
Reference:	V.Gee, A.G.Orpen, H.Phetmung, P.G.Pringle, R.I.Pugh (1999) Chem.Commun. ,501
Formula:	C_{23} H_{38} Cl_2 O_6 P_2 Pd_1
Compound Name:	Dichloro-(1,3-bis(1,3,6,7-tetramethyl-6,9,10-trioxa-2-phospha-adamant-2-yl)propane)-palladium(II)

Space Group:	P21/c	***Cell:***	***a***	13.402(5)	***b***	14.735(3)	***c*** 14.150(3)
Space Group No.:	14	***(Å, °)***	α	90.00	β	103.48(2)	γ 90.00
R-Factor (%):	5.95	***Temperature(K):***		173	***Density(g/cm^3):***		1.588



BICLOO

Reference:	V.Gramlich, G.Consiglio (1979) *Helv.Chim.Acta* ,**62**,1016						
Formula:	$C_{31}\ H_{32}\ Cl_2\ O_2\ P_2\ Pd_1$						
Compound Name:	Dichloro-((-)-2,2-dimethyl-4,5-bis(diphenylphosphinomethyl)-1,3-dioxolane-P,P')-palladium						
Space Group:	P1	***Cell:***	***a***	10.345(5)	***b***	11.144(5)	***c*** 14.654(5)
Space Group No.:	1	***(Å,°)***	α	98.03	β	85.43	γ 118.18
R-Factor (%):	4.50	***Temperature(K):***		295	***Density(g/cm³):***		1.522

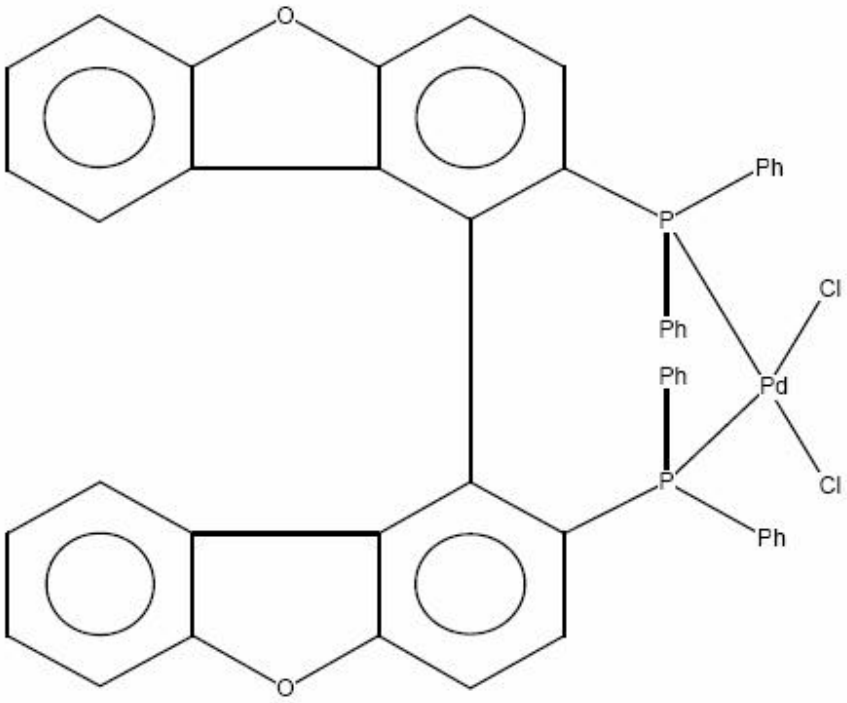


DAMJAC

Reference:	A.E.S.Gelpke, H.Kooijman, A.L.Spek, H.Hiemstra (1999) *Chem.-Eur.J.* ,5,2472
Formula:	$C_{48}\ H_{32}\ Cl_2\ O_2\ P_2\ Pd_1$
Compound Name:	Dichloro-2,2'-bis(diphenylphosphanyl)-1,1'-bidibenzofuranyl-palladium

Space Group:	P-1	***Cell:***	***a***	12.118(1)	***b***	13.728(1)	***c*** 15.314(2)
Space Group No.:	2	***(Å,°)***	α	103.25(1)	β	110.93(1)	γ 93.34(1)

R-Factor (%):	3.60	***Temperature(K):***	150	***Density(g/cm³):***	1.277

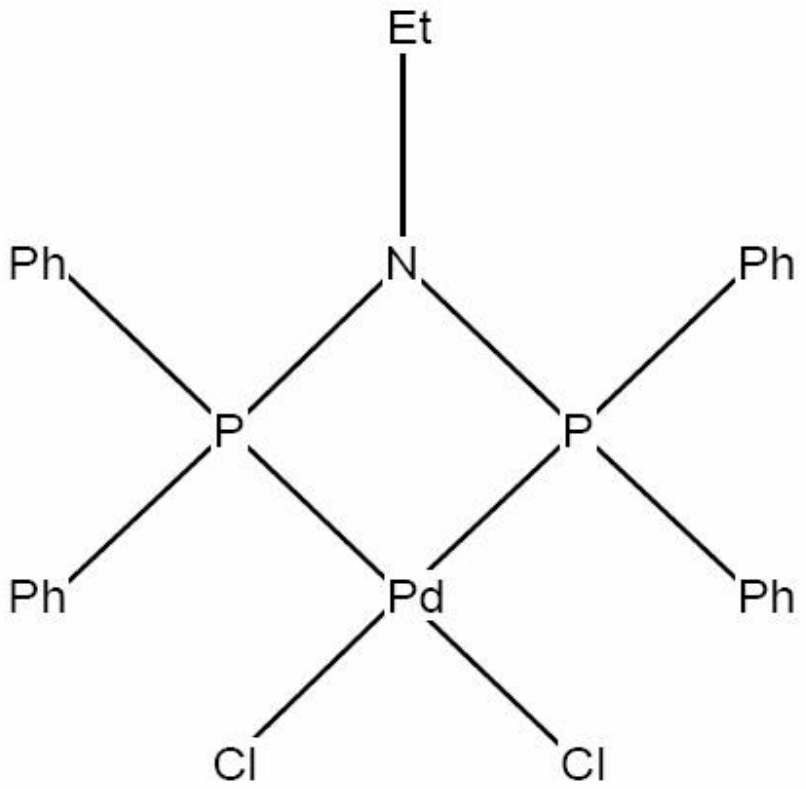


DCPEPD10

Reference:	J.A.A.Mokuolu, D.S.Payne, J.C.Speakman (1973) *J.Chem.Soc.,Dalton Trans.* ,1443
Formula:	$C_{26}\,H_{25}\,Cl_2\,N_1\,P_2\,Pd_1$
Compound Name:	Dichloro(bis(diphenylphosphino)ethylamine) palladium(ii)

Space Group:	Pbca	***Cell:***	***a***	20.900(40)	***b***	17.600(40)	***c*** 13.870(40)
Space Group No.:	61	***(Å,°)***	α	90.00	β	90.00	γ 90.00

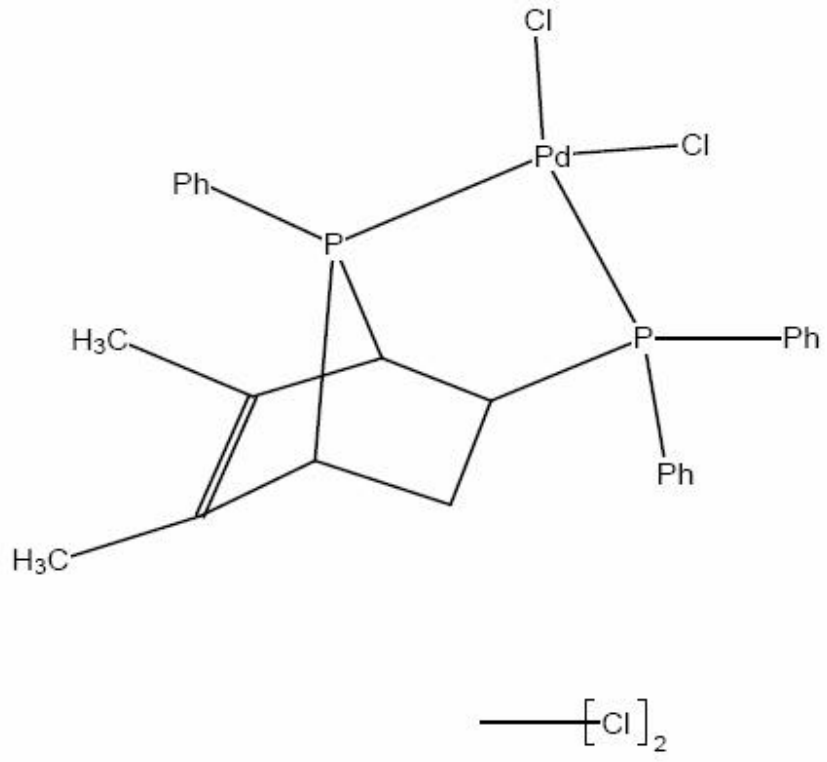
R-Factor (%):	10.90	***Temperature(K):***	295	***Density(g/cm^3):***	1.538



DEPWUQ

Reference:	M.S.Holt, J.H.Nelson, P.Savignac, N.W.Alcock (1985) *J.Am.Chem.Soc.* ,**107**,6396
Formula:	C_{26} H_{26} Cl_2 P_2 Pd_1,C_1 H_2 Cl_2
Compound Name:	Dichloro-(5-diphenylphosphino-2,3-dimethyl-7-phenylphosphabicyclo(2.2.1)hept-2-ene-P,P')-palladium(ii) dichloromethane solvate

Space Group:	P21/n	***Cell:***	***a***	11.184(4)	***b***	10.972(5)	***c*** 23.351(8)
Space Group No.:	14	***(Å,°)***	α	90.00	β	103.17(3)	γ 90.00
R-Factor (%):	5.60	***Temperature(K):***	295		***Density(g/cm³):***		1.578

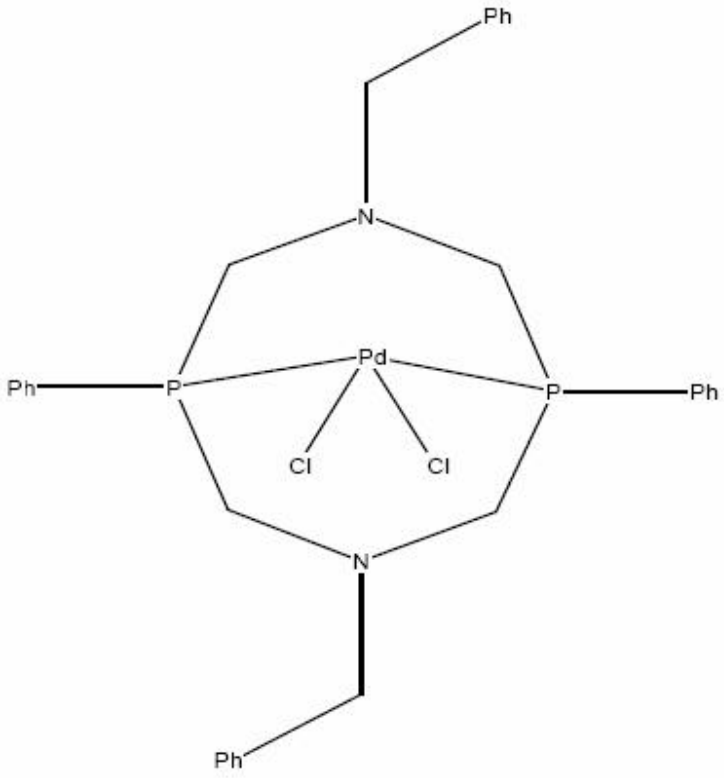


DEQBAC

Reference:	J.C.Kane, E.H.Wong, G.P.A.Yap, A.L.Rheingold (1999) *Polyhedron* ,**18**,1183
Formula:	$C_{30}\ H_{32}\ Cl_2\ N_2\ P_2\ Pd_1$
Compound Name:	cis-Dichloro-(1,5-dibenzyl-3,7-diphenyl-1,5-diaza-3,7-diphosphacyclo-octane)-palladium

Space Group:	C2/c	***Cell:***	***a***	22.526(6)	***b***	7.972(2)	***c*** 15.839(5)
Space Group No.:	15	***(Å,°)***	α	90.00	β	98.52(2)	γ 90.00

R-Factor (%):	3.67	***Temperature(K):***	295	***Density(g/cm³):***	1.558

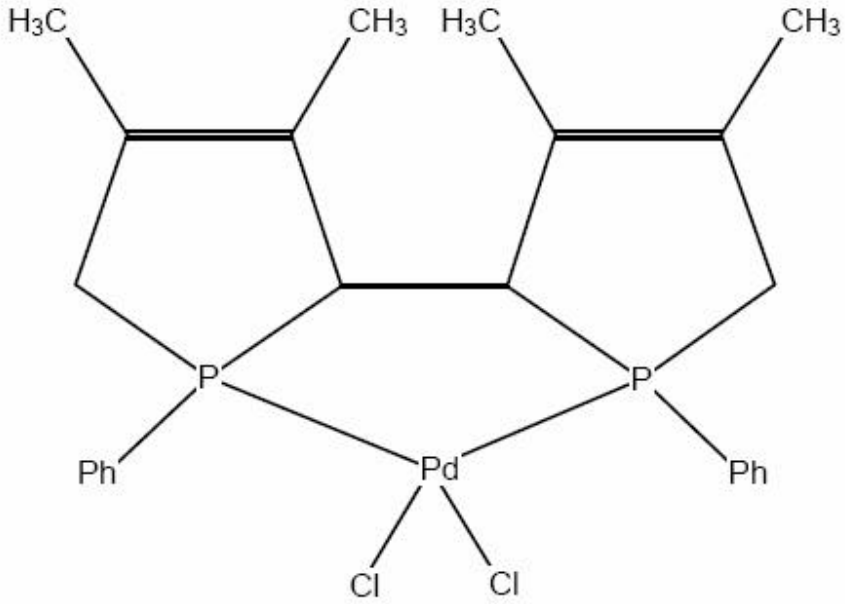


DODLOX

Reference:	F.Mercier, F.Mathey, J.Fischer, J.H.Nelson (1985) *Inorg.Chem.* ,**24**,4141
Formula:	$C_{24}\ H_{28}\ Cl_2\ P_2\ Pd_1$
Compound Name:	Dichloro-(2,2'-bis(1-phenyl-3,4-dimethyl-2,5-dihydro-1H-phosphole))-palladium(ii)

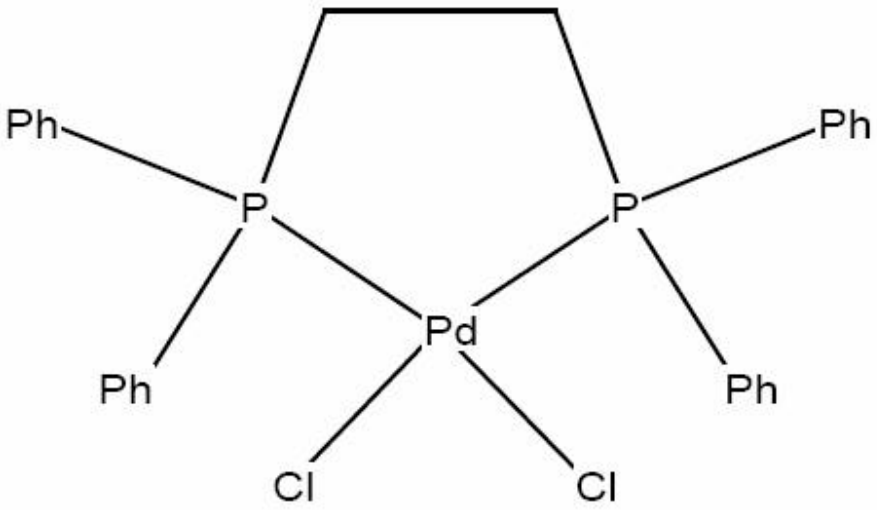
Space Group:	P21/n	***Cell:***	***a***	15.199(3)	***b***	17.844(4)	***c*** 8.900(2)
Space Group No.:	14	***(Å,°)***	α	90.00	β	90.97(2)	γ 90.00

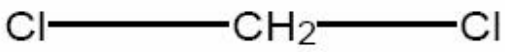
R-Factor (%):	5.60	***Temperature(K):***	295	***Density(g/cm³):***	1.529



DPEPDC

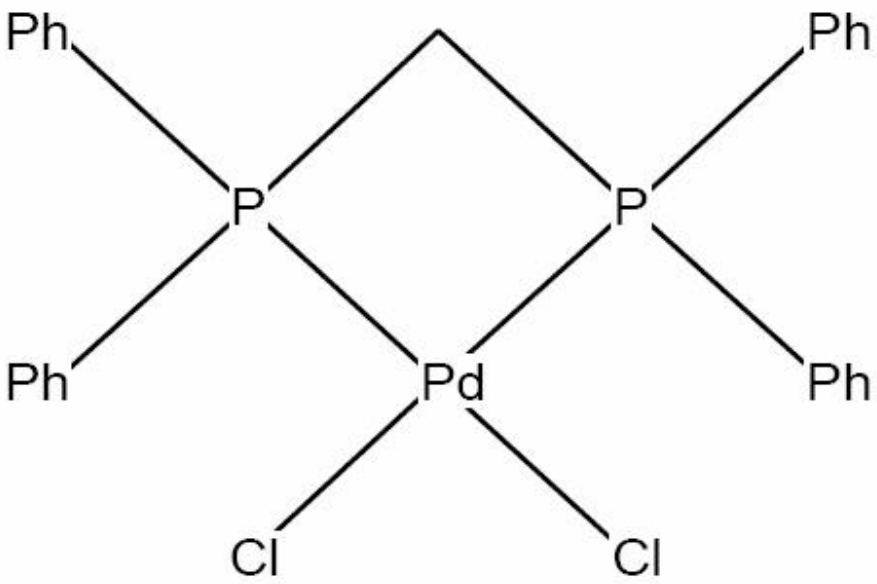
Reference:	W.L.Steffen, G.J.Palenik (1976) *Inorg.Chem.* ,15,2432						
Formula:	$C_{26}H_{24}Cl_2P_2Pd_1.C_1H_2Cl_2$						
Compound Name:	Dichloro(bis(diphenylphosphino)ethane) palladium(ii) dichloromethane solvate						
Space Group:	P21/c	***Cell:***	***a***	12.290(8)	***b***	15.495(9)	***c*** 15.403(12)
Space Group No.:	14	***(Å,°)***	α	90.00	β	104.70(5)	γ 90.00
R-Factor (%):	4.70	***Temperature(K):***	295	***Density(g/cm³):***	1.547		





DPMCPD

Reference:	W.L.Steffen, G.J.Palenik (1976) *Inorg.Chem.* ,**15**,2432						
Formula:	C_{25} H_{22} Cl_2 P_2 Pd_1						
Compound Name:	Dichloro(bis(diphenylphosphino)methane) palladium(ii)						
Space Group:	P21/n	***Cell:***	***a***	11.372(3)	***b***	12.273(3)	***c*** 17.498(8)
Space Group No.:	14	***(Å,°)***	α	90.00	β	100.27(3)	γ 90.00
R-Factor (%):	2.40	***Temperature(K):***	295	***Density(g/cm^3):***	1.553		

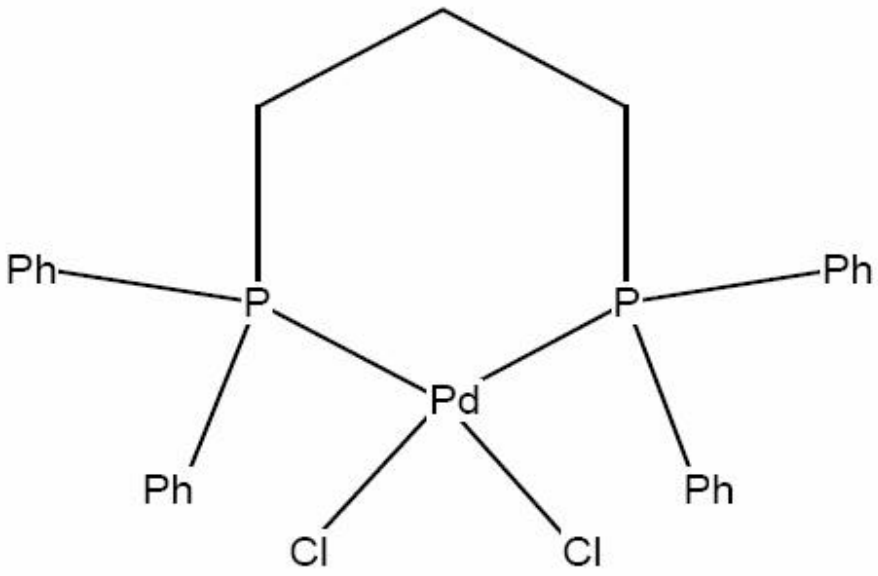


DPPPDC

Reference:	W.L.Steffen, G.J.Palenik (1976) *Inorg.Chem.* ,**15**,2432
Formula:	$C_{27}\,H_{26}\,Cl_2\,P_2\,Pd_1$
Compound Name:	Dichloro(1,3-bis(diphenylphosphino)propane) palladium(ii)

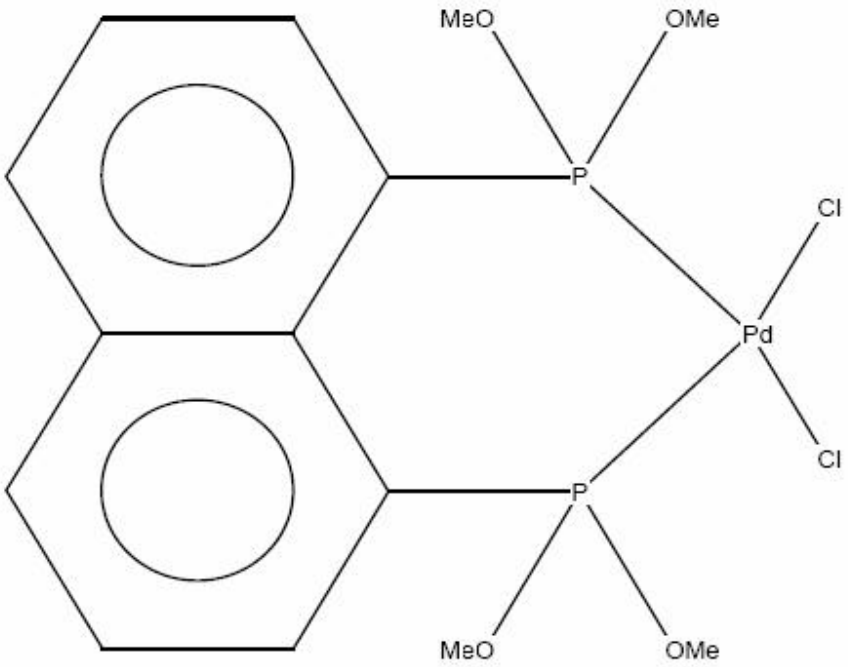
Space Group:	P-1	***Cell:***	***a***	10.633(3)	***b***	11.525(2)	***c*** 14.461(5)
Space Group No.:	2	***(Å,°)***	α	95.97(2)	β	91.31(3)	γ 134.90(1)

R-Factor (%):	2.70	***Temperature(K):***	295	***Density(g/cm³):***	1.584



EBUPUM

Reference:	A.Karacar, M.Freytag, P.G.Jones, R.Bartsch, R.Schmutzler (2001) *Z.Anorg.Allg.Chem.* ,**627**,1571						
Formula:	$C_{14}H_{18}Cl_2O_4P_2Pd_1$						
Compound Name:	Dichloro-1,8-bis((dimethoxy)phosphino)naphthalene-palladium(ii)						
Space Group:	P21/c	***Cell:***	***a***	8.631(0)	***b***	20.275(2)	***c*** 10.770(1)
Space Group No.:	14	***(Å,°)***	α	90.00	β	109.44(0)	γ 90.00
R-Factor (%):	2.96	***Temperature(K):***	143		***Density(g/cm³):***		1.830

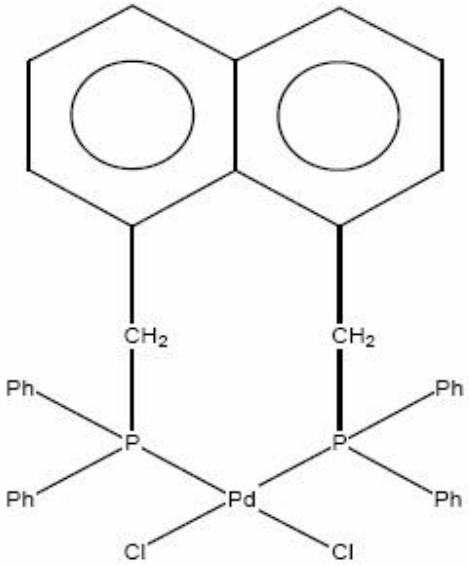


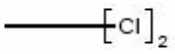
ECEHUP

Reference:	Y.Yamamoto, Y.Fukui, K.Matsubara, H.Takeshima, F.Miyauchi, T.Tanase, G.Yamamoto (2001) *J.Chem.Soc.,Dalton Trans.* ,1773
Formula:	$C_{36}\ H_{30}\ Cl_2\ P_2\ Pd_1, C_1\ H_2\ Cl_2$
Compound Name:	cis-Dichloro-(1,8-bis((diphenylphosphino)methyl)naphthalene)-palladium dichloromethane solvate

Space Group:	P21/n	***Cell:***	***a***	14.414(2)	***b***	9.871(2)	***c*** 24.796(4)
Space Group No.:	14	***(Å,°)***	α	90.00	β	101.87(1)	γ 90.00

R-Factor (%):	7.10	***Temperature(K):***	296	***Density(g/cm³):***	1.514

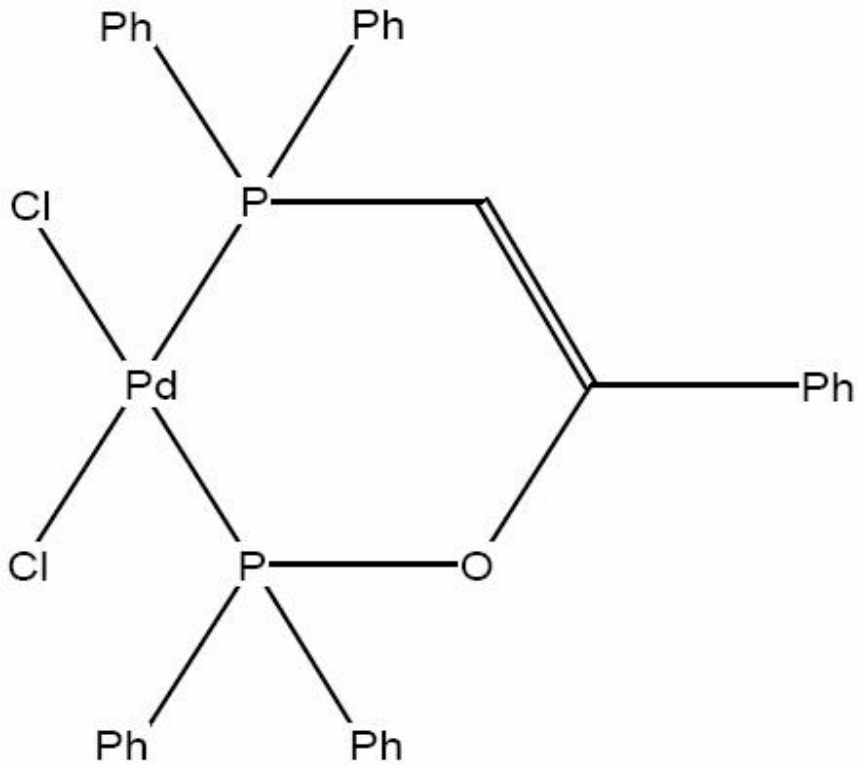




FACHOG

Reference:	S.-E.Bouaoud, P.Braunstein, D.Grandjean, D.Matt, D.Nobel (1986) *Inorg.Chem.* ,**25**,3765
Formula:	$C_{32}\ H_{26}\ Cl_2\ O_1\ P_2\ Pd_1$
Compound Name:	cis-Dichloro-(1,3-bis(diphenylphosphino)-2-phenyl-3-oxa-propene-P,P')-palladium

Space Group:	P21/c	***Cell:***	***a***	10.602(6)	***b***	19.503(4)	***c*** 14.631(9)
Space Group No.:	14	***(Å,°)***	α	90.00	β	97.27(3)	γ 90.00
R-Factor (%):	3.80	***Temperature(K):***	295		***Density(g/cm³):***		1.474



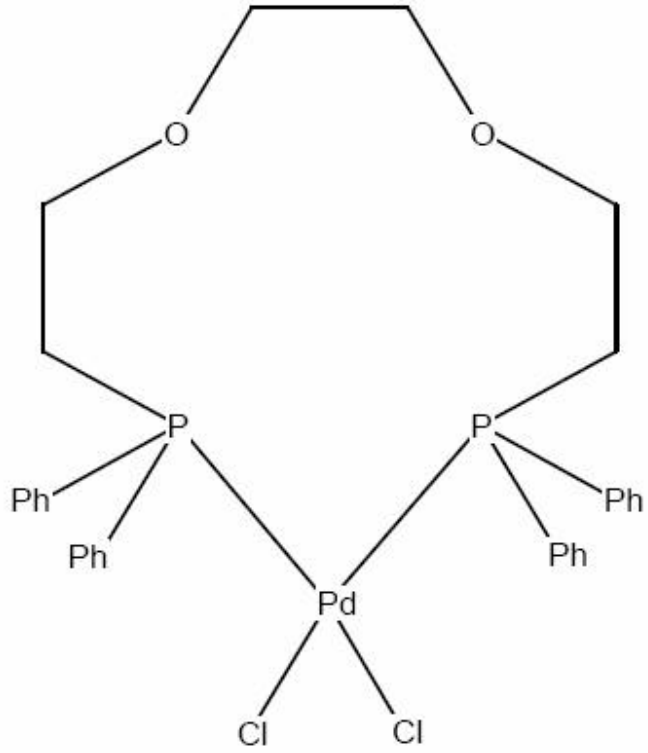
FANSOC

Reference: W.E.Hill, J.G.Taylor, C.P.Falshaw, T.J.King, B.Beagley, D.M.Tonge, R.G.Pritchard, C.A.McAuliffe (1986) *J.Chem.Soc.,Dalton Trans.* ,2289

Formula: $C_{30}\,H_{32}\,Cl_2\,O_2\,P_2\,Pd_1$

Compound Name: cis-(Dichloro-(1,8-bis(diphenylphosphino)-3,6-dioxaoctane-P,P'))-palladium(ii)

Space Group:	P21/c	***Cell:***	***a***	11.097(6)	***b***	12.380(4)	***c*** 21.456(18)
Space Group No.:	14	***(Å,°)***	α	90.00	β	103.96(7)	γ 90.00
R-Factor (%):	3.22	***Temperature(K):***	295		***Density(g/cm³):***		1.541

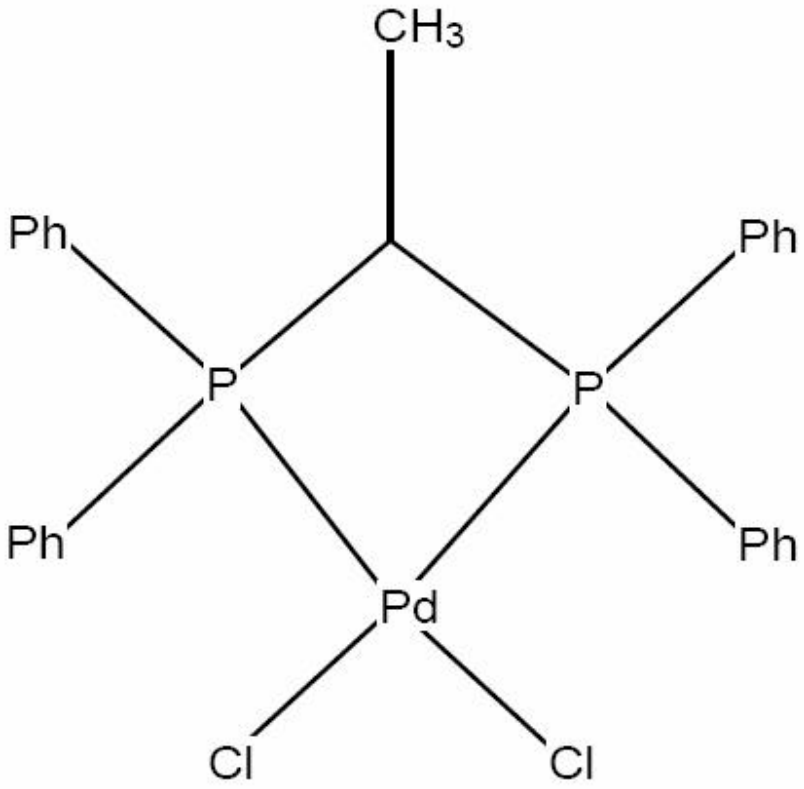


FAWVAA

Reference:	Chung-Li Lee, Ye-Ping Yang, S.J.Rettig, B.R.James, D.A.Nelson, M.A.Lilga (1986) *Organometallics* ,5,2220
Formula:	$C_{26}H_{24}Cl_2P_2Pd_1$
Compound Name:	Dichloro-(1,1-bis(diphenylphosphino)-ethane-P,P')-palladium(i)

Space Group:	P-1	***Cell:***	***a***	14.547(3)	***b***	19.521(5)	***c*** 9.788(3)
Space Group No.:	2	***(Å,°)***	α	103.60(1)	β	108.34(1)	γ 91.89(2)

R-Factor (%):	2.60	***Temperature(K):***	295	***Density(g/cm³):***	1.501

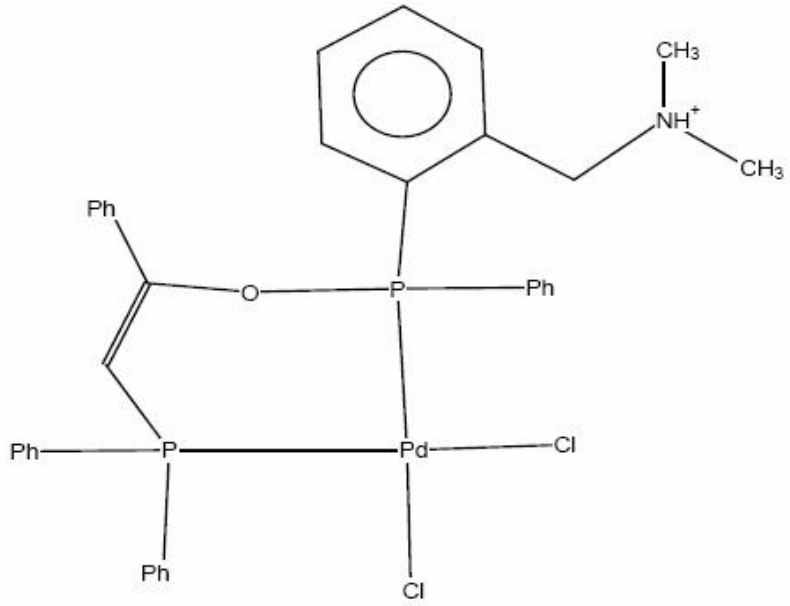


FOMLOI

Reference:	P.Braunstein, D.Matt, D.Nobel, J.Fischer (1987) *Chem.Commun.* ,1530
Formula:	$C_{35}\ H_{34}\ Cl_2\ N_1\ O_1\ P_2\ Pd_1\ ^{1+},Cl_1\ ^{1-},C_1\ H_2\ Cl_2$
Compound Name:	Dichloro-(1-diphenylphosphino-2-((2-(dimethylammonio)methylphenyl) phenylphosphineoxy)-2-phenylethene-P,P')-palladium chloride dichloromethane solvate

Space Group:	P21/n	***Cell:***	***a***	16.192(4)	***b***	15.191(4)	***c*** 14.960(4)
Space Group No.:	14	***(Å,°)***	α	90.00	β	91.56(2)	γ 90.00

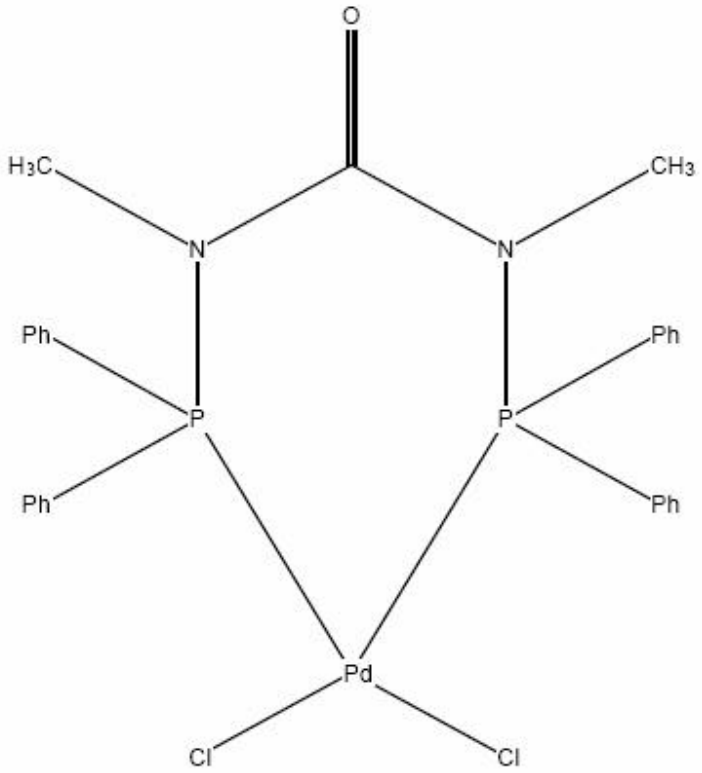
R-Factor (%): 2.70 ***Temperature(K):*** 295 ***Density(g/cm^3):*** 1.524



FOQYAL

Reference:	A.M.Z.Slawin, M.Wainwright, J.D.Woollins (2000) *New J.Chem.(Nouv.J.Chim.)* ,**24**,69
Formula:	$C_{27}\ H_{26}\ Cl_2\ N_2\ O_1\ P_2\ Pd_1$
Compound Name:	dichloro-(N,N'-dimethyl-N,N'-bis(diphenylphosphino)urea-P,P')-palladium

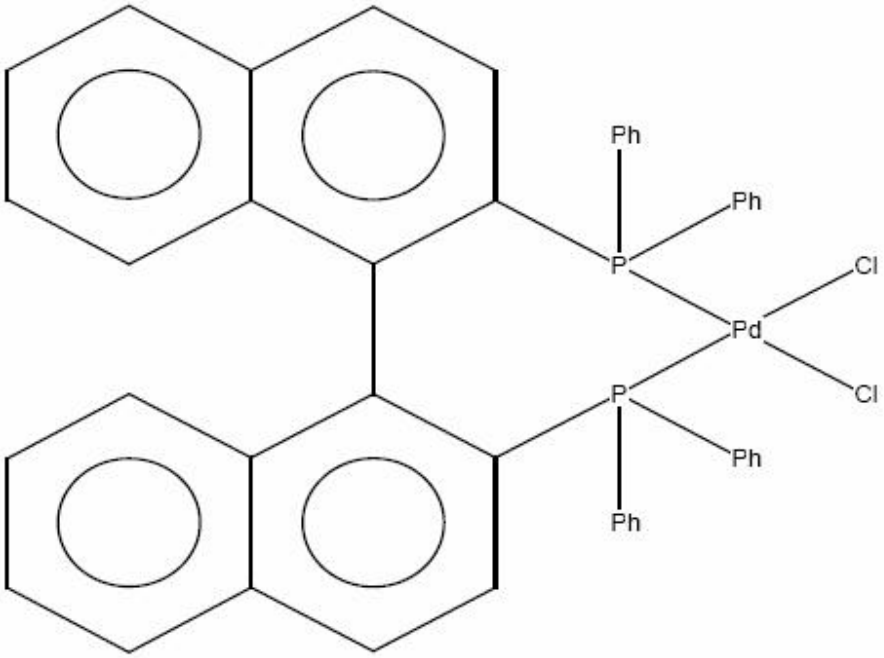
Space Group:	P21/c	***Cell:***	***a***	9.908(0)	***b***	14.700(0)	***c*** 19.051(0)
Space Group No.:	14	***(Å,°)***	α	90.00	β	101.70	γ 90.00
R-Factor (%):	2.63	***Temperature(K):***	295		***Density(g/cm^3):***		1.549



HAPBIJ

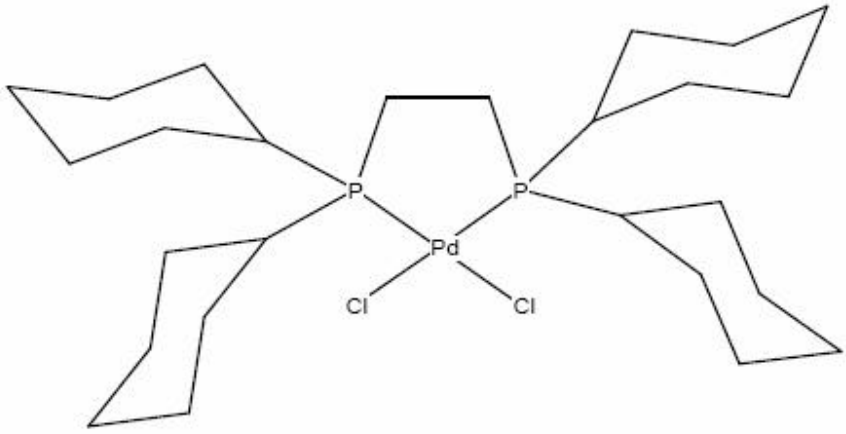
Reference:	F.Ozawa, A.Kubo, Y.Matsumoto, T.Hayashi, E.Nishioka, K.Yanagi, K.Moriguchi (1993) *Organometallics* ,**12**,4188
Formula:	C_{44} H_{32} Cl_2 P_2 Pd_1
Compound Name:	(R)-(2,2'-bis(Diphenylphosphino)-1,1'-binaphthyl)-dichloro-palladium

Space Group:	P41	***Cell:***	***a***	11.751(1)	***b***	11.751(1)	***c*** 26.538(3)
Space Group No.:	76	***(Å,°)***	α	90.00	β	90.00	γ 90.00
R-Factor (%):	3.60	***Temperature(K):***	295		***Density(g/cm^3):***		1.450



HATTEB

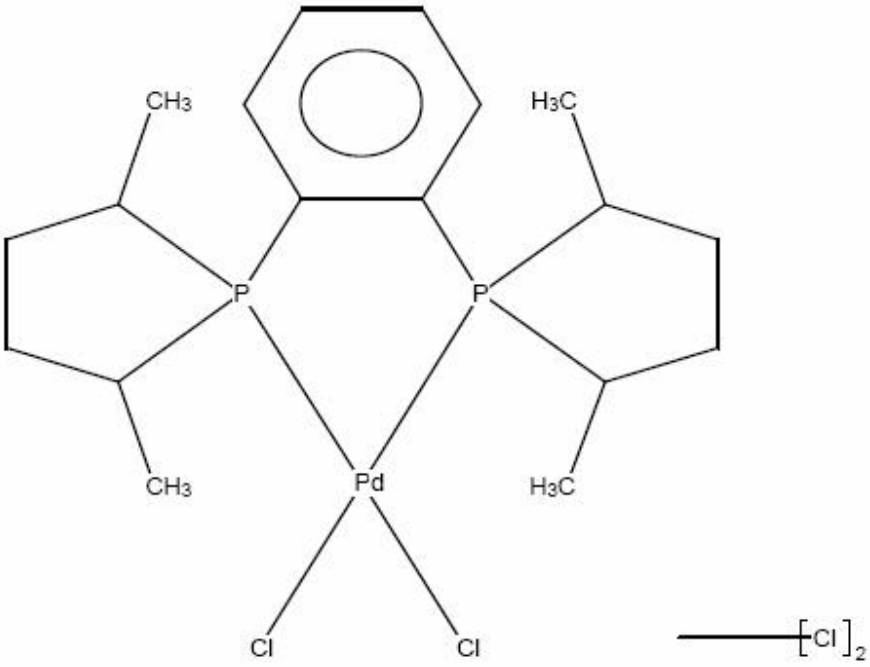
Reference:	S.Ganguly, J.T.Mague, D.M.Roundhill (1994) *Acta Crystallogr., Sect.C:Cryst.Struct.Commun.* ,**50**,217						
Formula:	$C_{26}H_{48}Cl_2P_2Pd_1$						
Compound Name:	cis-Dichloro-(1,2-bis(dicyclohexylphosphino)ethane)-palladium(ii)						
Space Group:	P1	***Cell:***	***a***	7.398(0)	***b***	9.433(1)	***c*** 10.825(1)
Space Group No.:	1	***(Å,°)***	α	93.23(0)	β	107.93(0)	γ 99.92(0)
R-Factor (%):	2.20	***Temperature(K):***	295	***Density(g/cm^3):***	1.417		



HUYBIM

Reference:	G.Malaise, L.Barloy, J.A.Osborn, N.Kyritsakas (2002) *C.R.Chim.* ,5,289
Formula:	C_{18} H_{28} Cl_2 P_2 Pd_1,C_1 H_2 Cl_2
Compound Name:	Dichloro-(benzene-1,2-bis(2,5-dimethyl-1-phospholane))-palladium(ii) dichloromethane solvate

Space Group:	P212121	***Cell:***	***a***	9.739(0)	***b***	13.418(0)	***c*** 18.081(0)
Space Group No.:	19	***(Å,°)***	α	90.00	β	90.00	γ 90.00
R-Factor (%):	2.50	***Temperature(K):***		173	***Density(g/cm³):***		1.598

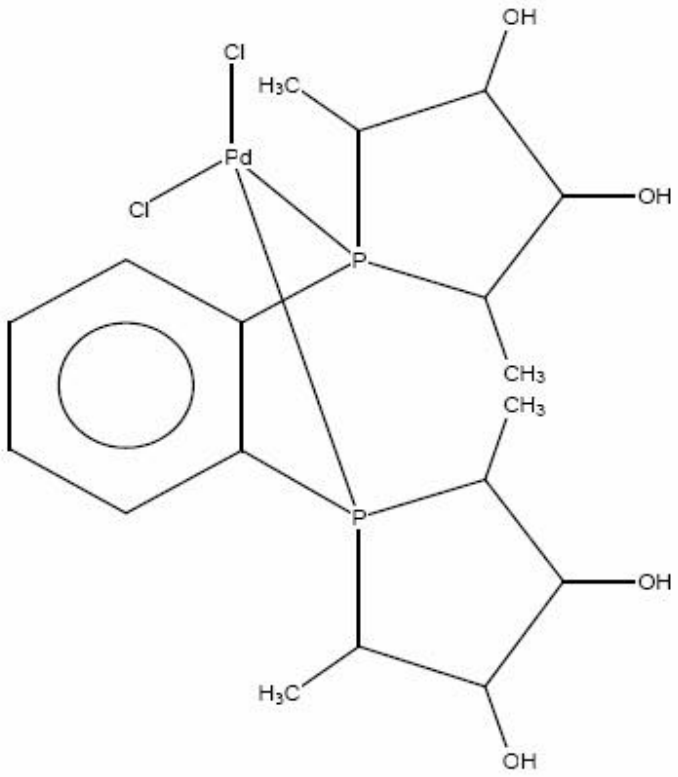


IGUCES

Reference:	A.Bayer, P.Murszat, U.Thewalt, B.Rieger (2002) *Eur.J.Inorg.Chem.* ,2614
Formula:	$C_{18}\ H_{28}\ Cl_2\ O_4\ P_2\ Pd_1$
Compound Name:	Dichloro-1,2-bis((2S,3S,4S,5S)-3,4-dihydroxy-2,5-dimethyl-phospholanylbenzene)-palladium(ii)

Space Group:	P3121	***Cell:***	***a***	10.554(0)	***b***	10.554(0)	***c*** 17.876(1)
Space Group No.:	152	***(Å,°)***	α	90.00	β	90.00	γ 120.00

R-Factor (%):	2.02	***Temperature(K):***	203	***Density(g/cm³):***	1.582

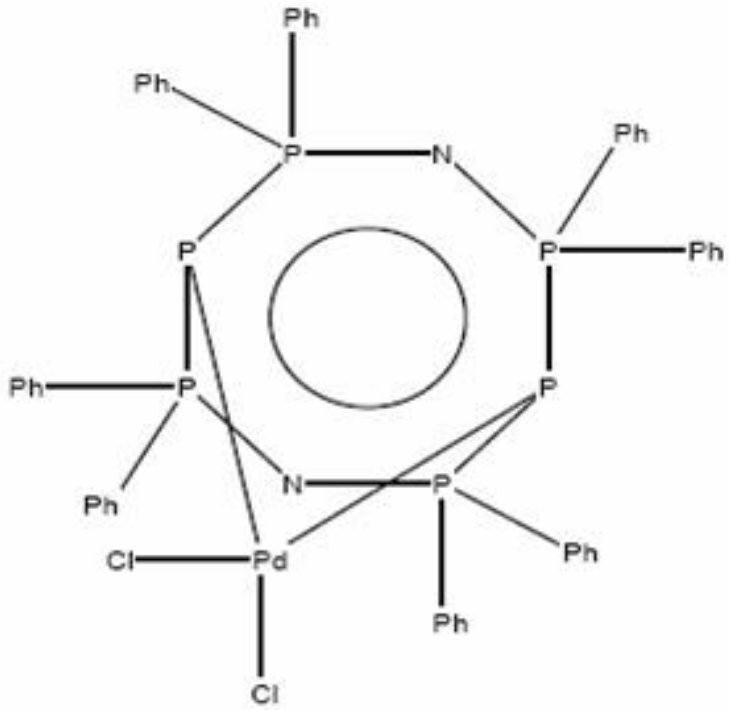


JEHYAW

Reference:	A.Schmidpeter, F.Steinmuller, W.S.Sheldrick (1989) *Z.Anorg.Allg.Chem.*, **570**,158
Formula:	$C_{48}H_{40}Cl_2N_2P_6Pd_1,H_2O_1$
Compound Name:	Dichloro-(2,2,4,4,6,6,8,8-octaphenyl-1,5,2λ5,3,4λ5,6λ5,7,8λ5-diazahexaphosphocinato-P,P')-palladium monohydrate

Space Group:	Pccn	***Cell:***	***a***	15.123(4)	***b***	16.227(4)	***c*** 19.916(4)
Space Group No.:	56	***(Å,°)***	α	90.00	β	90.00	γ 90.00

R-Factor (%): 6.30 ***Temperature(K):*** 295 ***Density(g/cm^3):*** 1.394

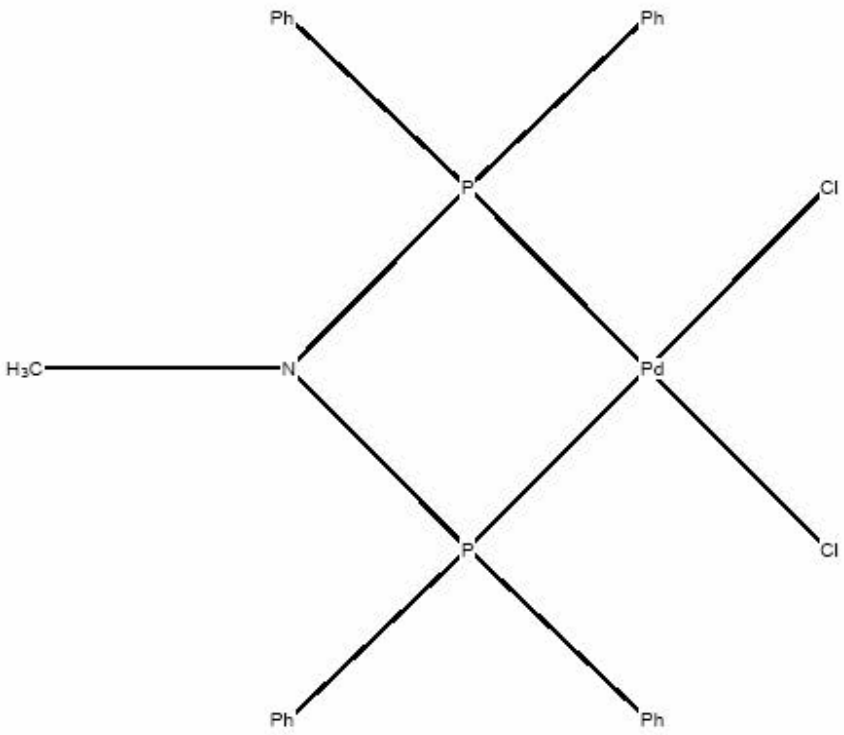


H_2O

JONCEU

Reference:	C.S.Browning, D.H.Farrar, D.C.Frankel (1992) *Acta Crystallogr.,Sect.C:Cryst.Struct.Commun.* ,**48**,806
Formula:	$C_{25}H_{23}Cl_2N_1P_2Pd_1$
Compound Name:	bis(Diphenylphosphino)methylamine-dichloro-palladium

Space Group:	P21/n	***Cell:***	***a***	9.202(1)	***b***	13.814(1)	***c*** 19.420(1)
Space Group No.:	14	***(Å,°)***	α	90.00	β	92.45(3)	γ 90.00
R-Factor (%):	3.90	***Temperature(K):***	295		***Density(g/cm^3):***		1.553

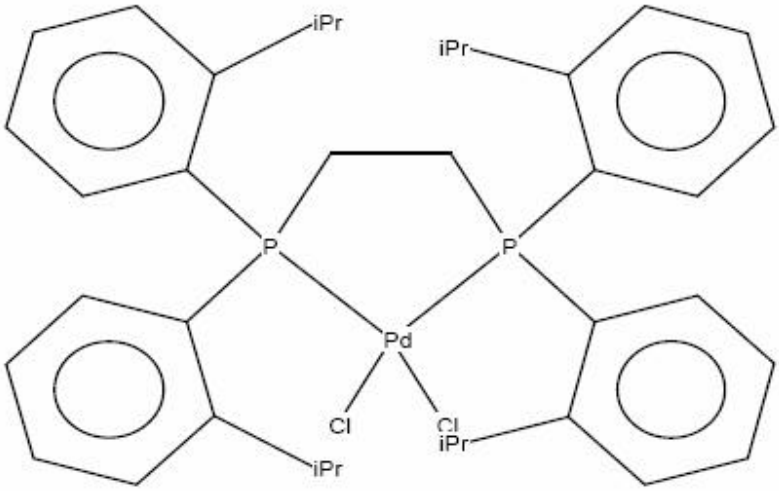


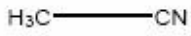
KEQHUJ

Reference:	R.Wursche, M.Klinga, B.Rieger (1999) *Private Communication* ,
Formula:	$C_{38}\ H_{48}\ Cl_2\ P_2\ Pd_1.2(C_2\ H_3\ N_1)$
Compound Name:	Dichloro-(1,2-bis(bis(2-isopropylphenyl)phosphino)ethane)-palladium(ii) acetonitrile solvate

Space Group:	P21/n	***Cell:***	***a***	12.944(3)	***b***	13.036(3)	***c*** 24.775(5)
Space Group No.:	14	***(Å,°)***	α	90.00	β	93.42(3)	γ 90.00

R-Factor (%):	7.55	***Temperature(K):***	193	***Density(g/cm³):***	1.315

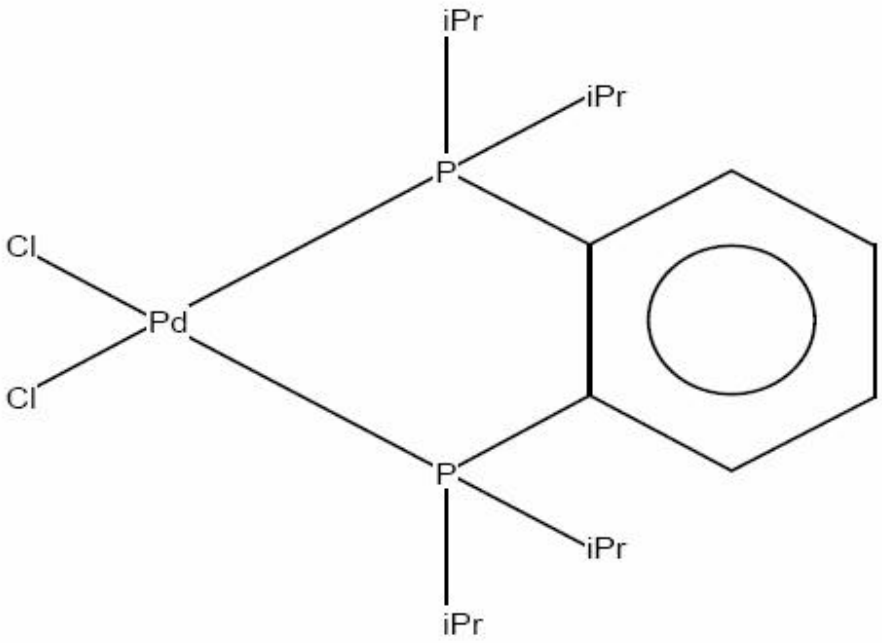




KEKTEZ

Reference:	Shiuh-Tzung Liu, Jwu-Ting Chen, Shie-Ming Peng, Yu-Ling Hsiao, Ming-Chu Cheng (1990) *Inorg.Chem.* ,**29**,1169
Formula:	$C_{18}\ H_{32}\ Cl_2\ P_2\ Pd_1$
Compound Name:	Dichloro-(o-phenylene-bis(di-isopropylphosphine))-palladium(ii)

Space Group:	P21/c	***Cell:***	***a***	9.336(2)	***b***	12.802(2)	***c*** 18.467(3)
Space Group No.:	14	***(Å,°)***	α	90.00	β	104.60(1)	γ 90.00
R-Factor (%):	3.00	***Temperature(K):***	295		***Density(g/cm³):***		1.517

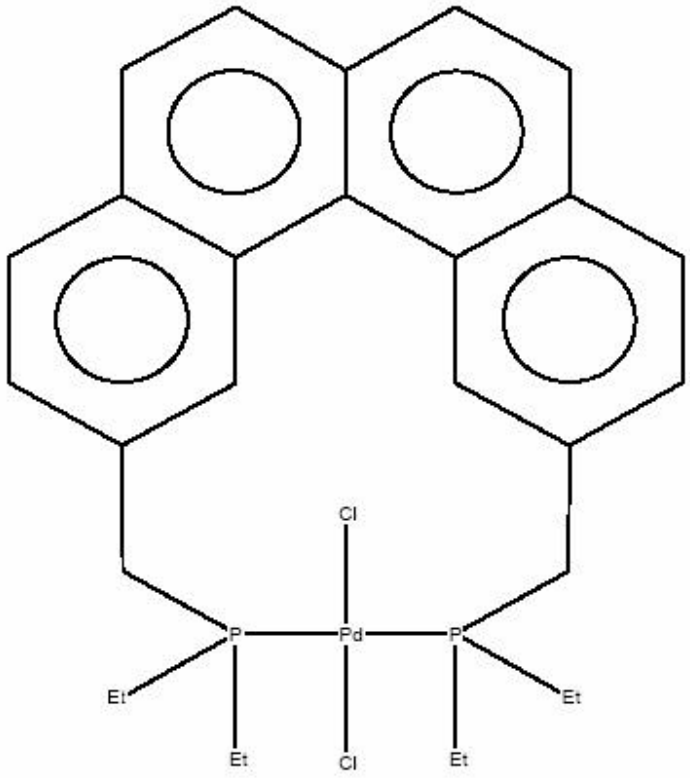


KOWHEJ

Reference:	F.Bachechi, L.Zambonelli (1992) *Acta Crystallogr.,Sect.C:Cryst.Struct.Commun.* ,**48**,788
Formula:	$C_{28}\ H_{34}\ Cl_2\ P_2\ Pd_1$
Compound Name:	(2,11-bis(Diethylphosphinomethyl)benzo(c)phenanthrene)-dichloro-palladium(ii)

Space Group:	Pbcn	***Cell:***	***a***	16.256(5)	***b***	16.847(3)	***c*** 9.844(2)
Space Group No.:	60	***(Å,°)***	α	90.00	β	90.00	γ 90.00

R-Factor (%):	4.10	***Temperature(K):***	295	***Density(g/cm^3):***	1.502

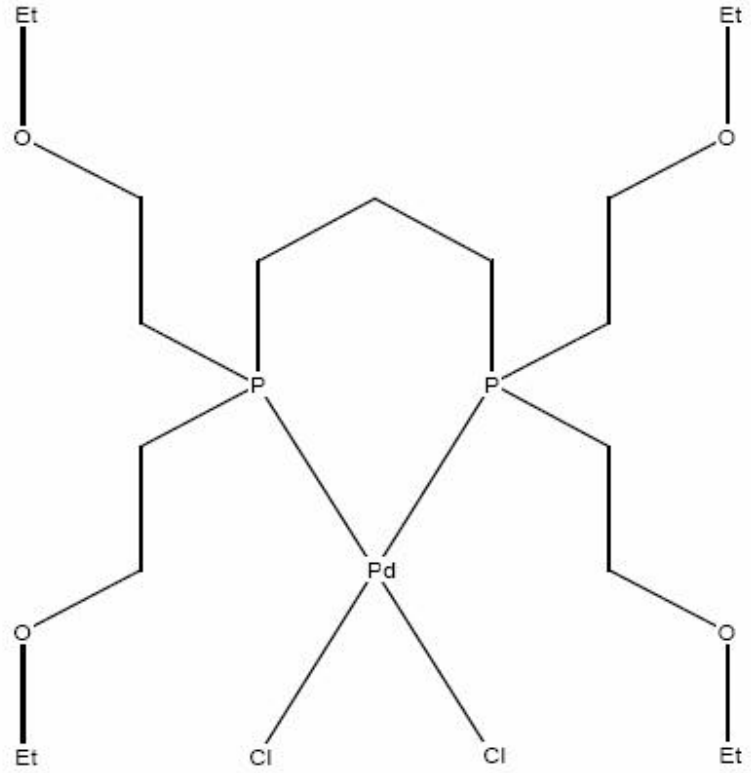


LISCAR

Reference:	E.Lindner, M.Schmid, P.Wegner, C.Nachtigal, M.Steimann, R.Fawzi (1999) *Inorg.Chim.Acta* ,296,103
Formula:	$C_{19}\ H_{42}\ Cl_2\ O_4\ P_2\ Pd_1$
Compound Name:	Dichloro-(1,3-bis(bis(2-ethoxyethyl)phosphino)propane-P,P')-palladium(ii)

Space Group:	P21/c	***Cell:***	***a***	8.885(4)	***b***	22.805(17)	***c*** 12.753(5)
Space Group No.:	14	***(Å,°)***	α	90.00	β	93.10(2)	γ 90.00

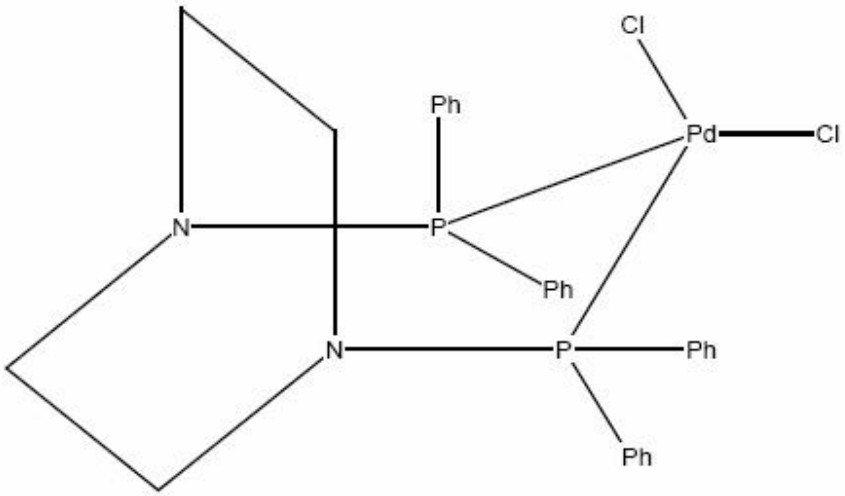
R-Factor (%): 4.16 ***Temperature(K):*** 173 ***Density(g/cm³):*** 1.477



LUGTAI

Reference:	M.Rodriguez i Zubiri, A.M.Z.Slawin, M.Wainwright, J.D.Woollins (2002) *Polyhedron* ,**21**,1729
Formula:	$C_{28}\ H_{28}\ Cl_2\ N_2\ P_2\ Pd_1$
Compound Name:	cis-Dichloro-(N,N'-bis(diphenylphosphino)piperazine-P,P')-palladium

Space Group:	P21/n	***Cell:***	***a***	11.223(1)	***b***	27.882(3)	***c*** 17.936(1)
Space Group No.:	14	***(Å,°)***	α	90.00	β	96.65(0)	γ 90.00
R-Factor (%):	8.00	***Temperature(K):***	293		***Density(g/cm^3):***		1.506

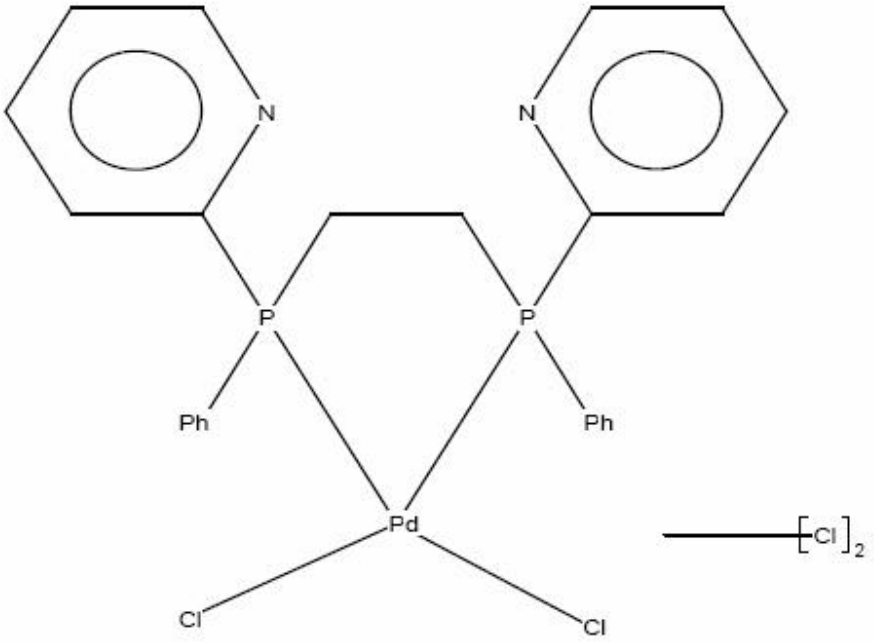


MAXCIX

Reference:	I.R.Butler, P.Licence, S.J.Coles, M.B.Hursthouse (2000) *J.Organomet.Chem.* ,598,103
Formula:	$C_{24}\ H_{22}\ Cl_2\ N_2\ P_2\ Pd_1.C_1\ H_2\ Cl_2$
Compound Name:	Dichloro-(meso-1,2-bis(phenyl(2-pyridyl)phosphino)ethane)-palladium(ii) dichloromethane solvate

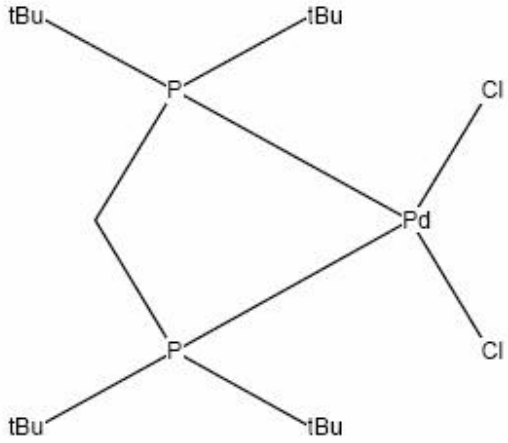
Space Group:	P21/c	***Cell:***	***a***	11.851(4)	***b***	15.722(3)	***c*** 15.202(2)
Space Group No.:	14	***(Å,°)***	α	90.00	β	106.22(2)	γ 90.00

R-Factor (%):	5.68	***Temperature(K):***	150	***Density(g/cm^3):***	1.618



MAYSIO

Reference:	R.Ficker, W.Hiller, K.Baba, P.Hofmann (2000) *Thesis* ,						
Formula:	$C_{17}\ H_{38}\ Cl_2\ P_2\ Pd_1.0.75(H_2\ O_1)$						
Compound Name:	cis-Dichloro-(bis(di-t-butylphosphino)methane-P,P')-palladium(ii) hydrate						
Space Group:	I41/a	***Cell:***	***a***	20.470(2)	***b***	20.470(2)	***c*** 27.394(3)
Space Group No.:	88	***(Å,°)***	α	90.00	β	90.00	γ 90.00
R-Factor (%):	4.54	***Temperature(K):***		216	***Density(g/cm³):***		1.146



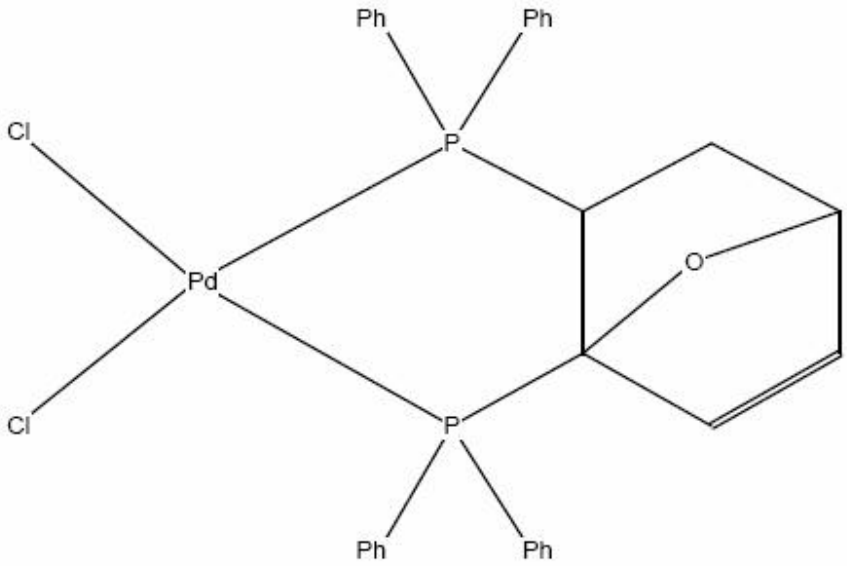
H_2O

MIKLOH

Reference:	Wee-Chuan Yeo, J.J.Vittal, A.J.P.White, D.J.Williams, Pak-Hing Leung (2001) *Organometallics* ,**20**,2167
Formula:	$C_{30}\,H_{26}\,Cl_2\,O_1\,P_2\,Pd_1$
Compound Name:	[SP-4-2-[(1α,4α,5α(R))]]-dichloro-[4,5-bis(diphenylphosphino)-7-oxabicyclo[2.2.1]hept-2-ene]-palladium(ii)

Space Group:	P212121	***Cell:***	***a***	10.063(0)	***b***	15.697(1)	***c*** 17.089(1)
Space Group No.:	19	***(Å,°)***	α	90.00	β	90.00	γ 90.00

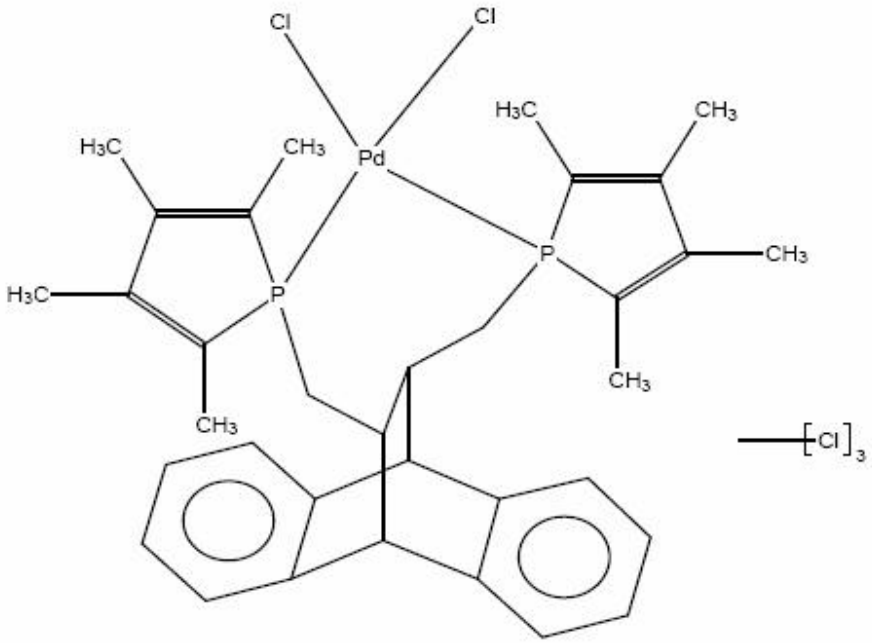
R-Factor (%): 4.03 ***Temperature(K):*** 293 ***Density(g/cm³):*** 1.579



MILWUZ

Reference:	S.Doherty, E.G.Robins, J.G.Knight, C.R.Newman, B.Rhodes, P.A.Champkin, W.Clegg (2001) *J.Organomet.Chem.* ,**640**, 182
Formula:	$C_{34}\ H_{40}\ Cl_2\ P_2\ Pd_1.3(C_1\ H_1\ Cl_3)$
Compound Name:	Dichloro-(trans-11,12-bis((2,3,4,5-tetramethylphospholyl)methyl)-9,10-dihydro-9,10-ethanoanthracene-P,P')-palladium(ii) chloroform solvate

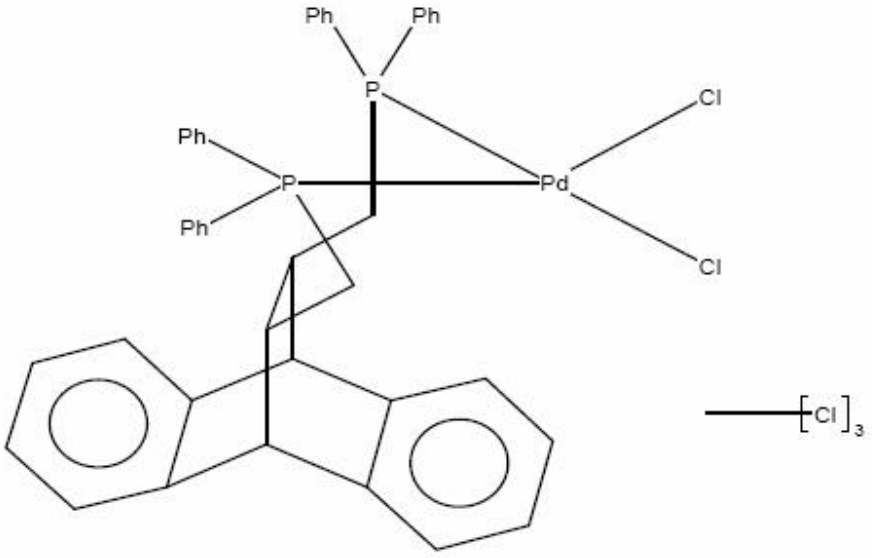
Space Group:	P21/n	***Cell:***	***a***	11.221(0)	***b***	17.982(0)	***c*** 22.266(0)
Space Group No.:	14	***(Å,°)***	α	90.00	β	93.74(0)	γ 90.00
R-Factor (%):	6.74	***Temperature(K):***	160		***Density(g/cm³):***		1.550



MILXAG

Reference:	S.Doherty, E.G.Robins, J.G.Knight, C.R.Newman, B.Rhodes, P.A.Champkin, W.Clegg (2001) *J.Organomet.Chem.* ,**640**, 182
Formula:	$C_{42}\ H_{36}\ Cl_2\ P_2\ Pd_1,2(C_1\ H_1\ Cl_3)$
Compound Name:	Dichloro-(cis-11,12-bis((diphenylphosphino)methyl)-9,10-dihydro-9,10-ethanoanthracene-P,P')-palladium(ii) chloroform solvate

Space Group:	P21/c	***Cell:***	***a***	12.604(0)	***b***	19.796(0)	***c*** 17.695(0)
Space Group No.:	14	***(Å,°)***	α	90.00	β	105.30(0)	γ 90.00
R-Factor (%):	8.54	***Temperature(K):***	160		***Density(g/cm³):***		1.589

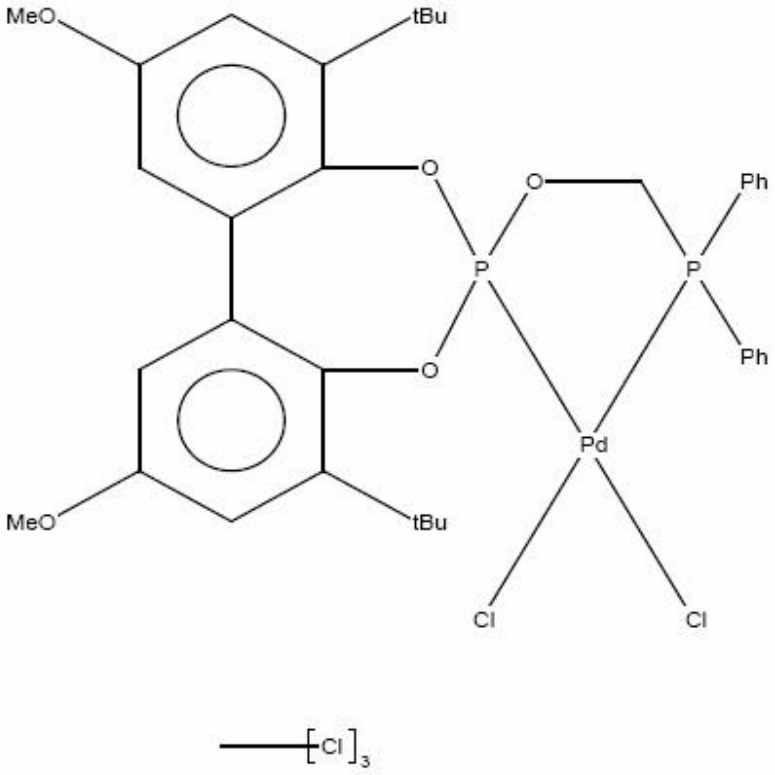


MIMLID

Reference:	C.G.Arena, F.Faraone, C.Graiff, A.Tiripicchio (2002) *Eur.J.Inorg.Chem.* ,711
Formula:	$C_{35}\ H_{40}\ Cl_2\ O_5\ P_2\ Pd_1, C_1\ H_1\ Cl_3$
Compound Name:	Dichloro-((diphenylphosphinomethyl)(3,3'-di-t-butyl-5,5'-dimethoxy-1,1'-biphenyl-2,2'-diyl)phosphite-P,P')-palladium(ii) chloroform solvate

Space Group:	P-1	***Cell:***	***a***	13.474(4)	***b***	14.214(5)	***c*** 10.424(3)
Space Group No.:	2	***(Å,°)***	α	93.79(3)	β	91.45(2)	γ 97.27(3)

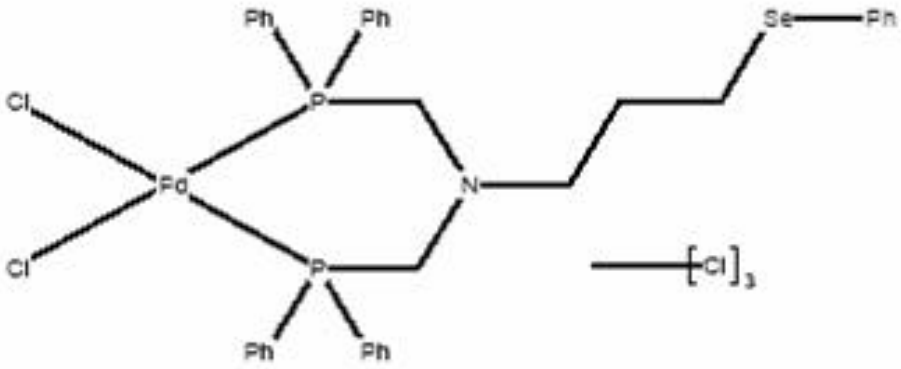
R-Factor (%):	5.67	***Temperature(K):***	293	***Density(g/cm^3):***	1.512



MULYOH

Reference:	S.E.Durran, M.R.J.Elsegood, M.B.Smith (2002) *New J.Chem.(Nouv.J.Chim.)* ,**26**,1402
Formula:	C_{35} H_{35} Cl_2 N_1 P_2 Pd_1 Se_1,C_1 H_1 Cl_3
Compound Name:	cis-Dichloro-(N,N-bis((diphenylphosphino)methyl)-N-(3-(phenylseleno) propyl)amine-P,P')-palladium(II) chloroform solvate

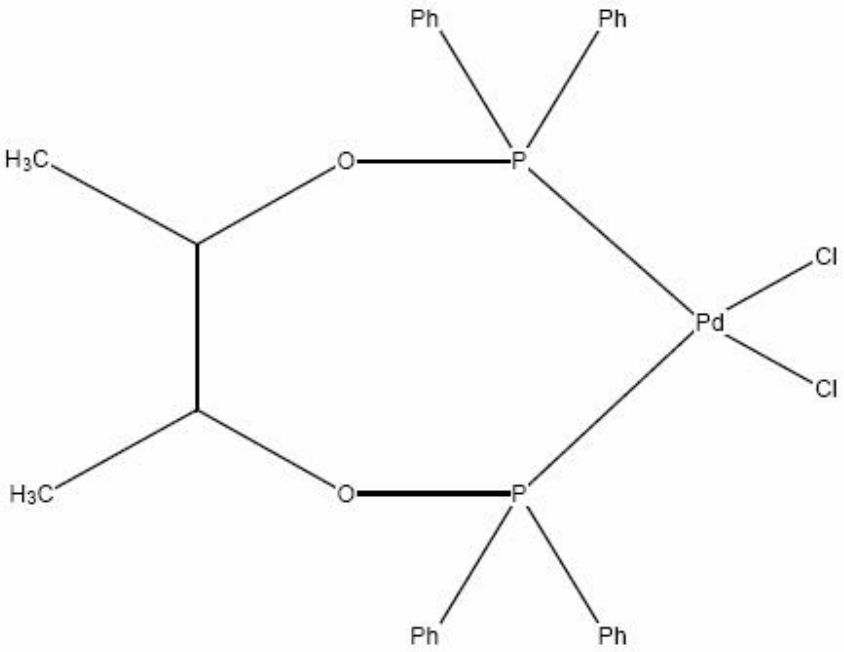
Space Group:	P21/c	***Cell:***	***a***	14.669(1)	***b***	11.691(0)	***c*** 22.916(1)
Space Group No.:	14	***(Å,°)***	α	90.00	β	102.90(0)	γ 90.00
R-Factor (%):	5.34	***Temperature(K):***		150	***Density(g/cm^3):***		1.573



MUZHIY

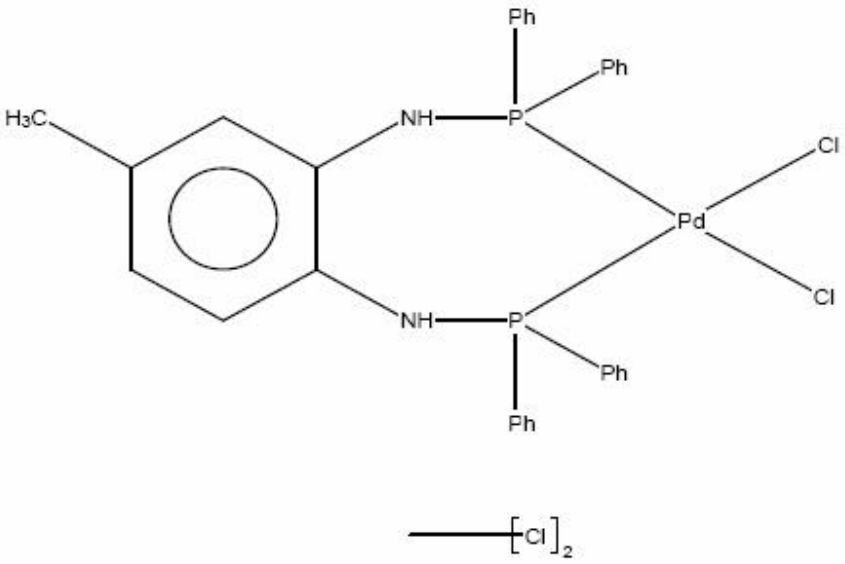
Reference:	P.Bergamini, V.Bertolasi, M.Cattabriga, V.Ferretti, U.Loprieno, N.Mantovani, L.Marvelli (2003) *Eur.J.Inorg.Chem.* ,918
Formula:	$C_{28}H_{28}Cl_2O_2P_2Pd_1$
Compound Name:	Dichloro-(2,3-bis(diphenylphosphito)butane)-palladium(ii)

Space Group:	P21/n	***Cell:***	***a***	9.257(0)	***b***	15.409(0)	***c*** 19.728(0)
Space Group No.:	14	***(Å,°)***	α	90.00	β	90.25(0)	γ 90.00
R-Factor (%):	3.47	***Temperature(K):***	295		***Density(g/cm³):***		1.501



NAKKUF

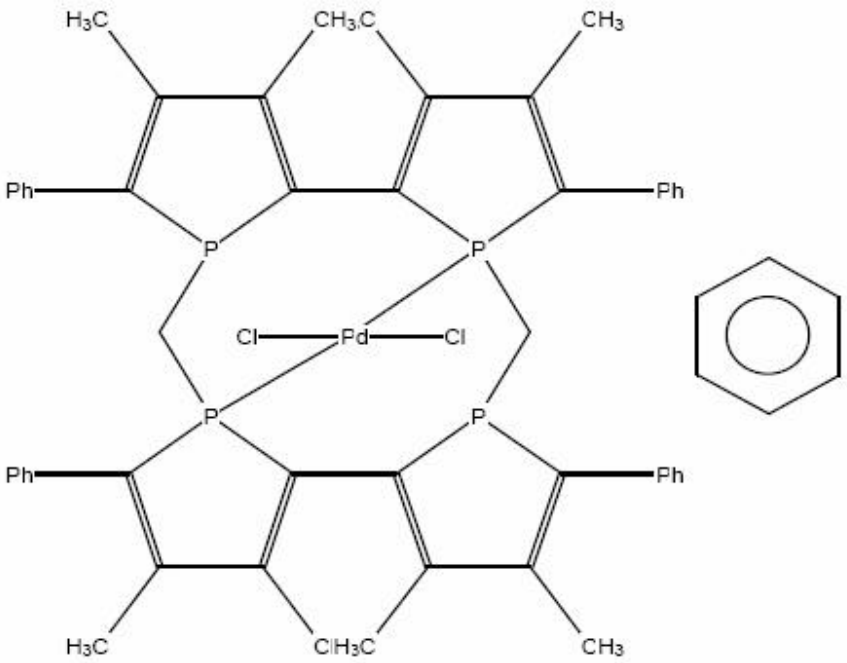
Reference:	T.Q.Ly, A.M.Z.Slawin, J.D.Woollins (1997) *J.Chem.Soc.,Dalton Trans.* ,1611						
Formula:	C_{31} H_{28} Cl_2 N_2 P_2 Pd_1.C_1 H_2 Cl_2						
Compound Name:	(1-Methyl-3,4-bis(diphenylphosphinoamino)benzene)-cis-dichloro-palladium dichloromethane solvate						
Space Group:	P21/n	***Cell:***	***a***	17.385(5)	***b***	8.760(3)	***c*** 25.289(2)
Space Group No.:	14	***(Å,°)***	α	90.00	β	109.68(1)	γ 90.00
R-Factor (%):	6.50	***Temperature(K):***	295		***Density(g/cm³):***		1.379



NEBWIA

Reference:	F.Mercier, F.Laporte, L.Ricard, F.Mathey, M.Schroder, M.Regitz (1997) *Angew.Chem.,Int.Ed.Engl.* ,**36**,2364
Formula:	$C_{50}\ H_{48}\ Cl_2\ P_4\ Pd_1.5(C_6\ H_6)$
Compound Name:	Dichloro-(1^{2},2^{5},4^{2},5^{5}-tetraphenyl-1^{3,4},2^{3,4},4^{3,4},5^{3,4}-hexamethyl-1(1,5),2(2,1),4(1,5),5(2,1)-tetraphospholacyclohexaphane)-palladium benzene solvate

Space Group:	C2/c	***Cell:***	***a***	21.233(2)	***b***	19.523(2)	***c*** 20.503(2)
Space Group No.:	15	***(Å,°)***	α	90.00	β	115.45(1)	γ 90.00
R-Factor (%):	12.70	***Temperature(K):***	123	***Density(g/cm^3):***	1.160		

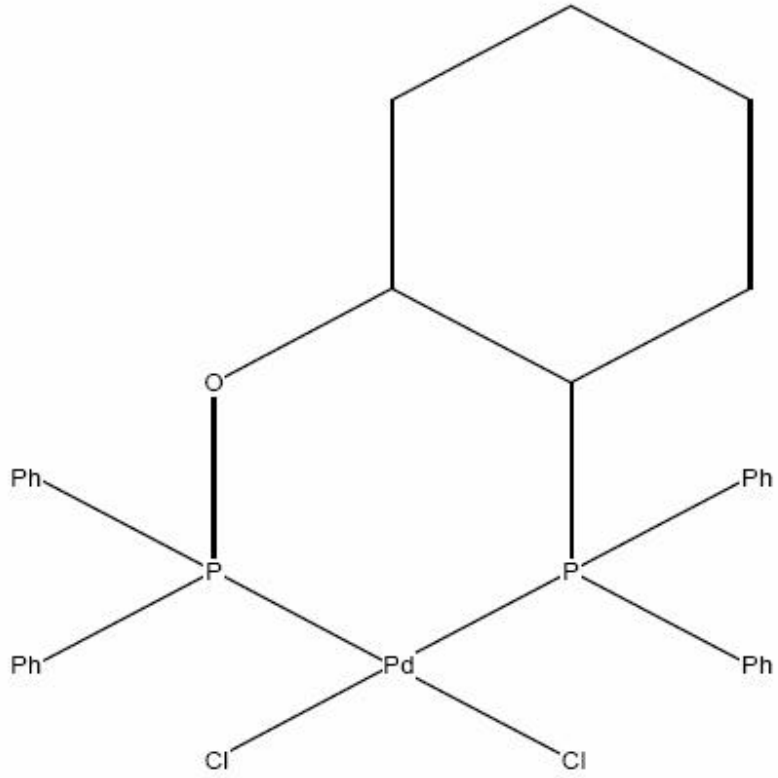


NEDMEO

Reference:	C.L.Thurner, M.Barz, M.Spiegler, W.R.Thiel (1998) *Acta Crystallogr.,Sect.C:Cryst.Struct.Commun.* ,**54**,227
Formula:	$C_{30}\ H_{30}\ Cl_2\ O_1\ P_2\ Pd_1$
Compound Name:	Dichloro-((S,S)-trans-diphenyl((2-diphenylphosphinyl)cyclohexyl) phosphinic acid ester-P,P')-palladium(ii)

Space Group:	P21	***Cell:***	***a***	14.407(1)	***b***	8.425(1)	***c*** 11.777(1)
Space Group No.:	4	***(Å,°)***	α	90.00	β	100.93(1)	γ 90.00

R-Factor (%):	2.37	***Temperature(K):***	295	***Density(g/cm³):***	1.528



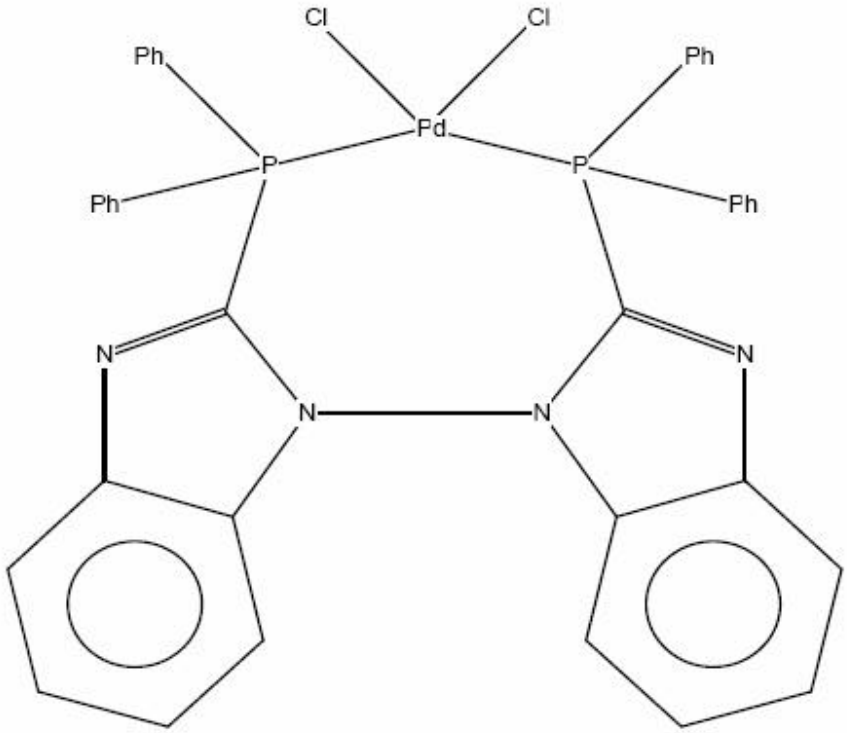
NESNAA

Reference: T.Benincori, E.Brenna, F.Sannicolo, L.Trimarco, P.Antognazza, E.Cesarotti, F.Demartin, T.Pilati, G.Zotti (1997) *J.Organomet.Chem.* ,**529**,445

Formula: $C_{38}\ H_{28}\ Cl_2\ N_4\ P_2\ Pd_1$

Compound Name: (2,2'-bis(Diphenylphosphino)-1,1'-bibenzimidazolyl)-dichloro-palladium(ii)

Space Group:	P21/c	***Cell:***	***a***	12.731(2)	***b***	20.741(2)	***c*** 14.176(2)
Space Group No.:	14	***(Å,°)***	α	90.00	β	115.30	γ 90.00
R-Factor (%):	3.20	***Temperature(K):***	295		***Density(g/cm³):***		1.531

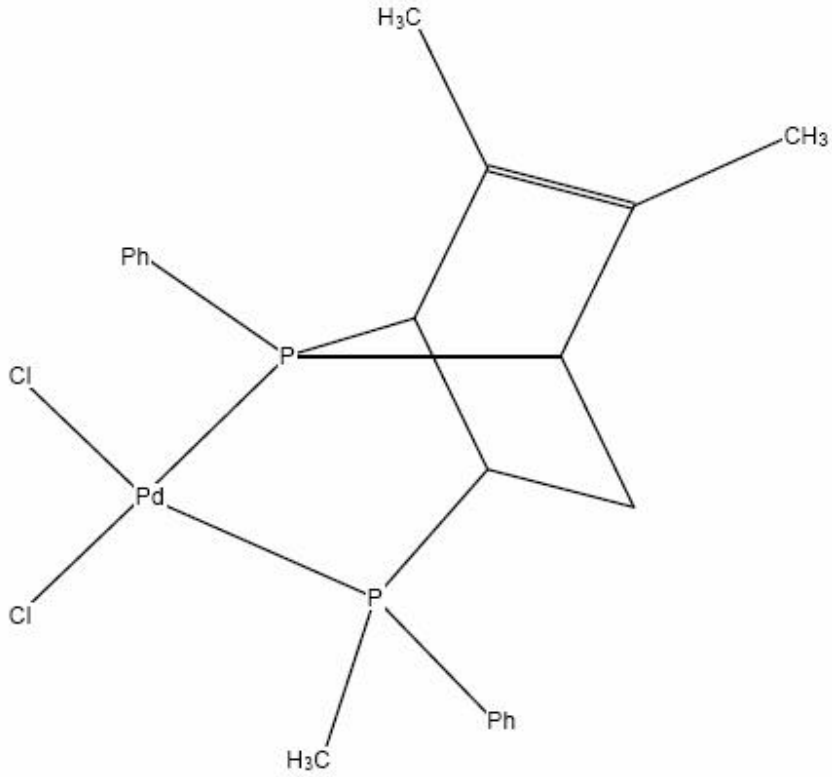


PAQBOY

Reference:	Anming Liu, K.F.Mok, Pak-Hing Leung (1997) *Chem.Commun.* ,2397
Formula:	C_{21} H_{24} Cl_2 P_2 Pd_1
Compound Name:	(S,S)-Dichloro-((2,3-dimethyl-7-phenyl-7-phosphabicyclo(2.2.1)hept-2-en-6-yl)methylphenylphosphine)-palladium

Space Group:	P21	***Cell:***	***a***	11.090(2)	***b***	8.575(1)	***c*** 12.060(3)
Space Group No.:	4	***(Å,°)***	α	90.00	β	107.27(2)	γ 90.00

R-Factor (%):	1.94	***Temperature(K):***	295	***Density(g/cm³):***	1.564

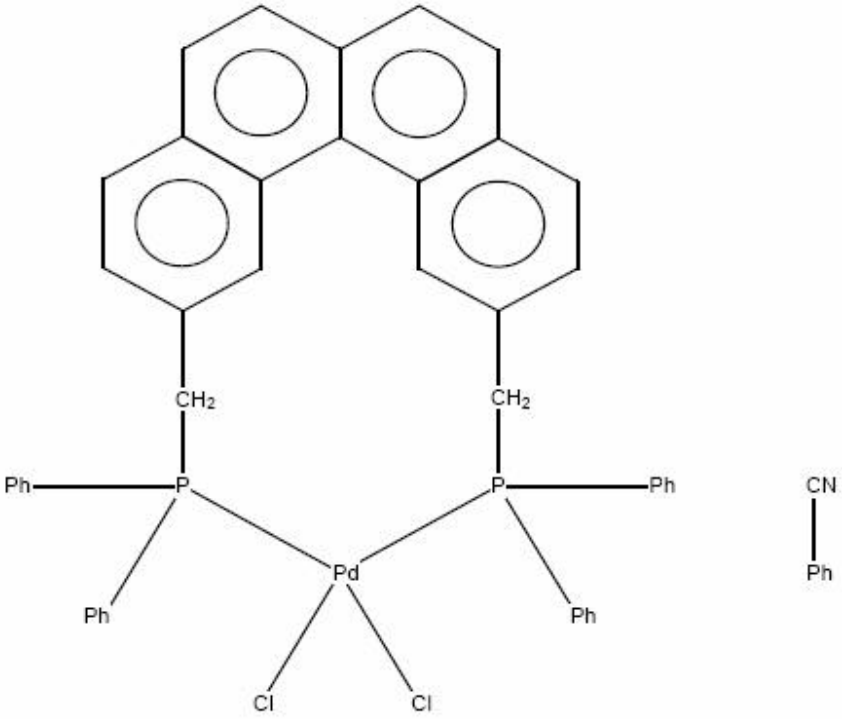


PDCPPB10

Reference:	F.Bachechi, L.Zambonelli, L.M.Venanzi (1977) *Helv.Chim.Acta* ,**60**,2815
Formula:	$C_{44}\,H_{34}\,Cl_2\,P_2\,Pd_1.C_7\,H_5\,N_1$
Compound Name:	Dichloro-(2,11-bis(diphenylphosphinomethyl)benzo(c)phenanthrene)-palladium benzonitrile solvate

Space Group:	P-1	***Cell:***	***a***	14.361(5)	***b***	13.044(7)	***c*** 11.897(4)
Space Group No.:	2	***(Å,°)***	α	105.97(4)	β	100.27(3)	γ 94.76(3)

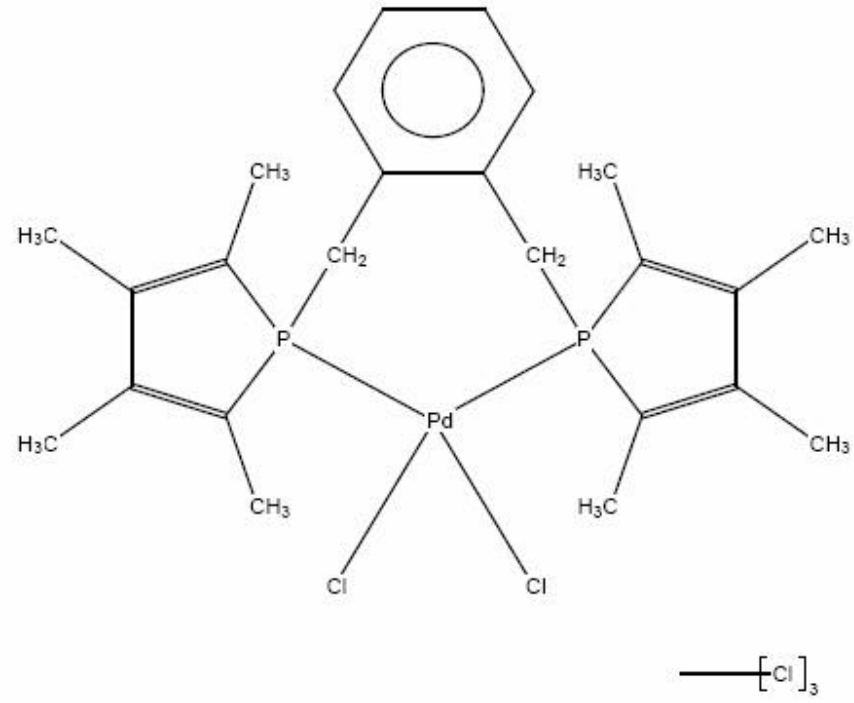
R-Factor (%):	4.50	***Temperature(K):***	295	***Density(g/cm³):***	1.440



QAQCOA

Reference:	S.Doherty, G.R.Eastham, R.P.Tooze, T.H.Scanlan, D.Williams, M.R.J.Elsegood, W.Clegg (1999) *Organometallics* ,**18**,3558
Formula:	$C_{24}\ H_{32}\ Cl_2\ P_2\ Pd_1.C_1\ H_1\ Cl_3$
Compound Name:	Dichloro-(bis(2,3,4,5-tetramethylphospholyl)-o-xylene)-palladium chloroform solvate

Space Group:	Cc	***Cell:***	***a***	21.685(1)	***b***	7.407(0)	***c*** 20.229(1)
Space Group No.:	9	***(Å,°)***	α	90.00	β	112.94(0)	γ 90.00
R-Factor (%):	3.78	***Temperature(K):***		160	***Density(g/cm^3):***		1.508

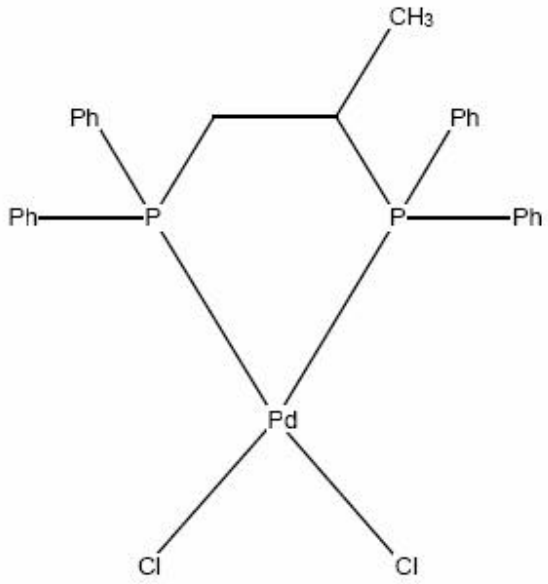


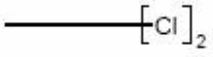
QELSEF

Reference:	N.Gul, J.H.Nelson (2000) *Organometallics* ,**19**,91
Formula:	$C_{27}\ H_{26}\ Cl_2\ P_2\ Pd_1, C_1\ H_2\ Cl_2, H_2\ O_1$
Compound Name:	Dichloro-(1,2-bis(diphenylphosphino)propane-P,P')-palladium(ii) dichloromethane solvate monohydrate

Space Group:	P21/c	***Cell:***	***a***	12.437(2)	***b***	15.809(2)	***c*** 15.447(2)
Space Group No.:	14	***(Å,°)***	α	90.00	β	104.70(1)	γ 90.00

R-Factor (%):	7.54	***Temperature(K):***	295	***Density(g/cm^3):***	1.566



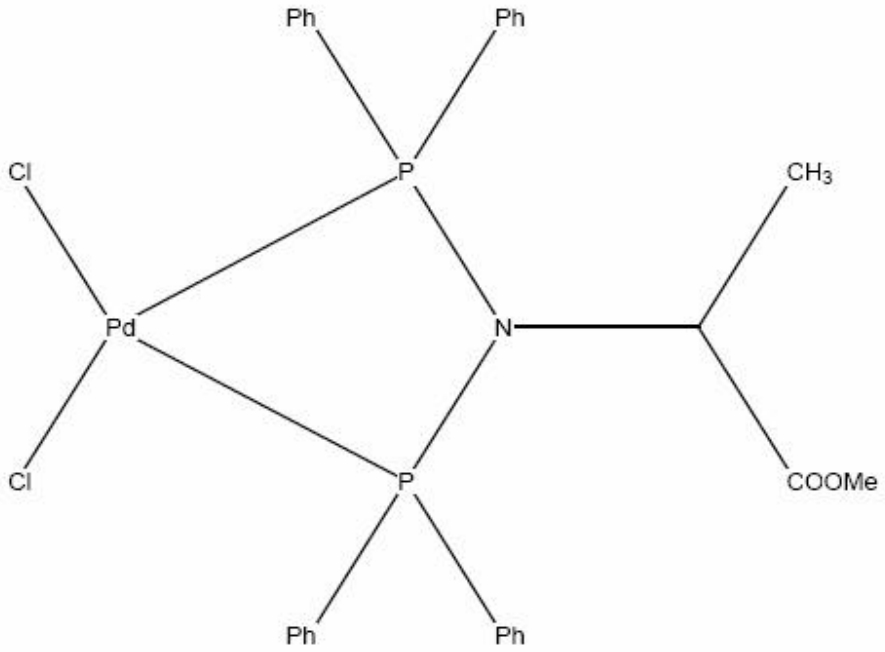


H_2O

QIQDID

Reference:	A.M.Z.Slawin, J.D.Woollins, Qingzhi Zhang (2001) *J.Chem.Soc.,Dalton Trans.* ,621
Formula:	C_{28} H_{27} Cl_2 N_1 O_2 P_2 Pd_1
Compound Name:	cis-Dichloro-((S)-N,N-bis(diphenylphosphino)alanine methyl ester-P,P')-palladium

Space Group:	P212121	***Cell:***	***a***	9.672(0)	***b***	15.469(0)	***c*** 18.455(0)
Space Group No.:	19	***(Å,°)***	α	90.00	β	90.00	γ 90.00
R-Factor (%):	1.59	***Temperature(K):***		295	***Density(g/cm^3):***		1.561

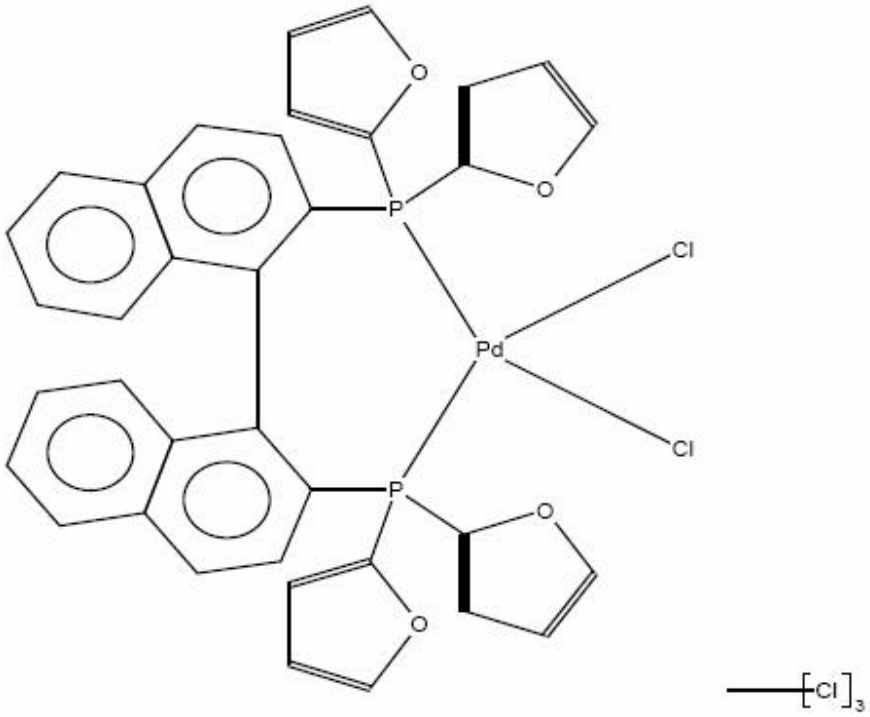


QONDAY

Reference:	N.G.Andersen, R.McDonald, B.A.Keay (2001) *Tetrahedron:Asymm.* ,**12**,263
Formula:	$C_{36}\ H_{24}\ Cl_2\ O_4\ P_2\ Pd_1,2(C_1\ H_1\ Cl_3)$
Compound Name:	(+-)-Dichloro-(2,2'-bis(di-2-furylphosphino)-1,1'-binaphthyl)-palladium chloroform solvate

Space Group:	P-1	***Cell:***	***a***	11.246(0)	***b***	11.661(0)	***c*** 15.260(1)
Space Group No.:	2	***(Å,°)***	α	91.83(0)	β	91.97(0)	γ 91.64(0)

R-Factor (%):	5.18	***Temperature(K):***	193	***Density(g/cm³):***	1.660

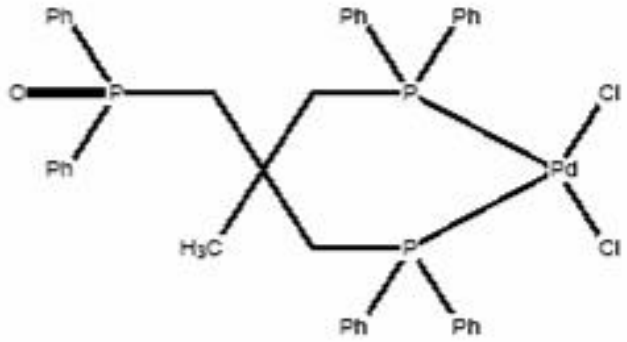


QULMEP

Reference:	P.Sevillano, A.Habtemariam, M.I.G.Seijo, A.Castineiras, S.Parsons, M.E.Garcia, P.J.Sadler (2000) *Aust.J.Chem.* ,**53**,635
Formula:	C_{41} H_{39} Cl_2 O_1 P_3 Pd_1.C_3 H_6 O_1
Compound Name:	Dichloro-(1,1-(bis(diphenylphosphinomethyl)-1-(oxo) diphenylphosphinomethyl)ethane-P,P')-palladium(II) acetone solvate

Space Group:	P21/n	***Cell:***	***a***	10.941(2)	***b***	22.927(4)	***c*** 16.888(2)
Space Group No.:	14	***(Å,°)***	α	90.00	β	99.13(1)	γ 90.00

R-Factor (%):	7.87	***Temperature(K):***	293	***Density(g/cm^3):***	1.391



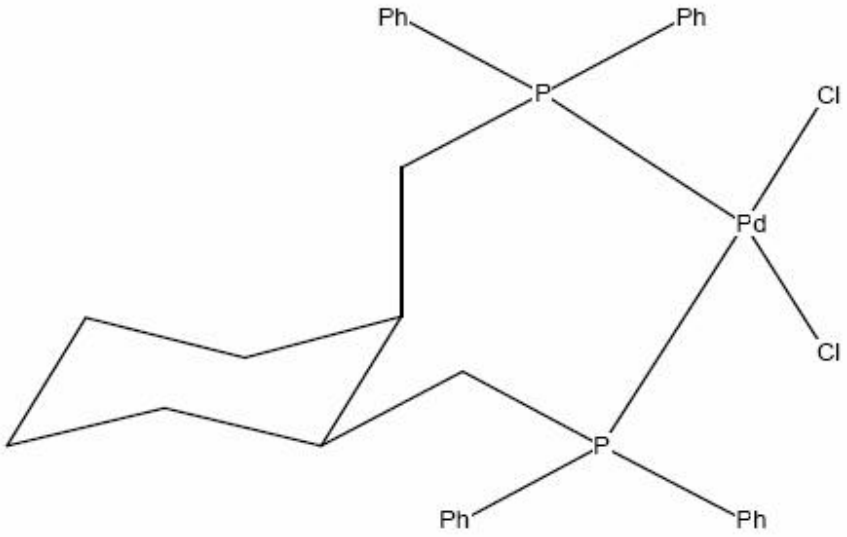


QUNXUS

Reference:	J.G.Knight, S.Doherty, A.Harriman, E.G.Robins, M.Betham, G.R.Eastham, R.P.Tooze, M.R.J.Elsegood, P.Champkin, W.Clegg (2000) *Organometallics* ,**19**,4957
Formula:	C_{32} H_{34} Cl_2 P_2 Pd_1,C_1 H_1 Cl_3
Compound Name:	(cis-1,2-bis(Diphenylphosphinomethyl)cyclohexane-P,P')-dichloro-palladium chloroform solvate

Space Group:	P21/c	***Cell:***	***a***	17.330(3)	***b***	9.974(1)	***c*** 20.038(3)
Space Group No.:	14	***(Å,°)***	α	90.00	β	91.55(0)	γ 90.00

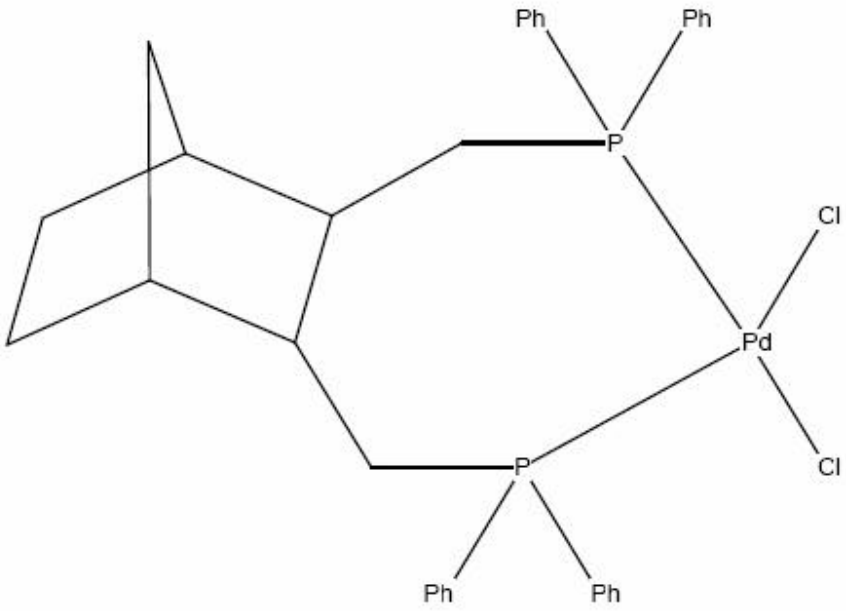
R-Factor (%): 6.47 ***Temperature(K):*** 160 ***Density(g/cm³):*** 1.491



QUNYAZ

Reference:	J.G.Knight, S.Doherty, A.Harriman, E.G.Robins, M.Betham, G.R.Eastham, R.P.Tooze, M.R.J.Elsegood, P.Champkin, W.Clegg (2000) *Organometallics* ,**19**,4957
Formula:	$C_{33}\ H_{34}\ Cl_2\ P_2\ Pd_1$
Compound Name:	(2,3-exo,endo-bis((Diphenylphosphino)methyl)norbornane-P,P')-dichloro-palladium

Space Group:	Cc	***Cell:***	***a***	12.935(2)	***b***	15.291(4)	***c*** 15.548(3)
Space Group No.:	9	***(Å,°)***	α	90.00	β	98.39(1)	γ 90.00
R-Factor (%):	2.64	***Temperature(K):***	190		***Density(g/cm³):***		1.463

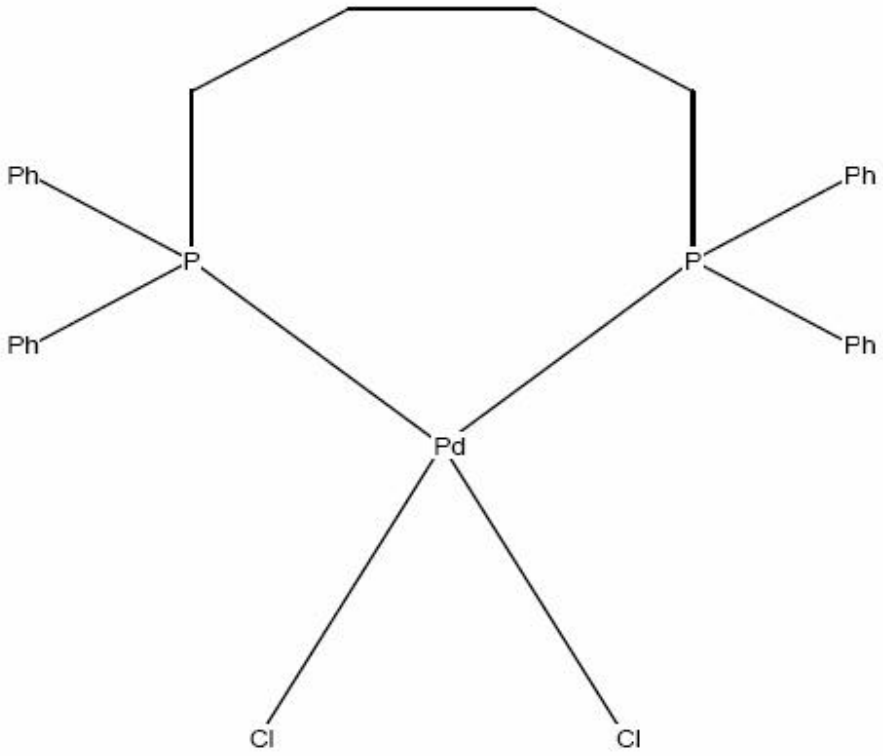


RINZOD

Reference:	V.D.Makhaev, Z.M.Dzhabieva, S.V.Konovalikhin, O.A.D'Yachenko, G.P.Belov (1996) *Koord.Khim.(Russ.)(Coord.Chem.)* ,**22**,598
Formula:	$C_{28}\ H_{28}\ Cl_2\ P_2\ Pd_1$
Compound Name:	Dichloro-(1,4-bis(diphenylphosphino)butane)-palladium(ii)

Space Group:	P-1	***Cell:***	***a***	14.541(8)	***b***	8.636(6)	***c*** 10.674(5)
Space Group No.:	2	***(Å,°)***	α	73.35(5)	β	87.12(4)	γ 79.20(5)

R-Factor (%):	3.50	***Temperature(K):***	295	***Density(g/cm³):***	1.590

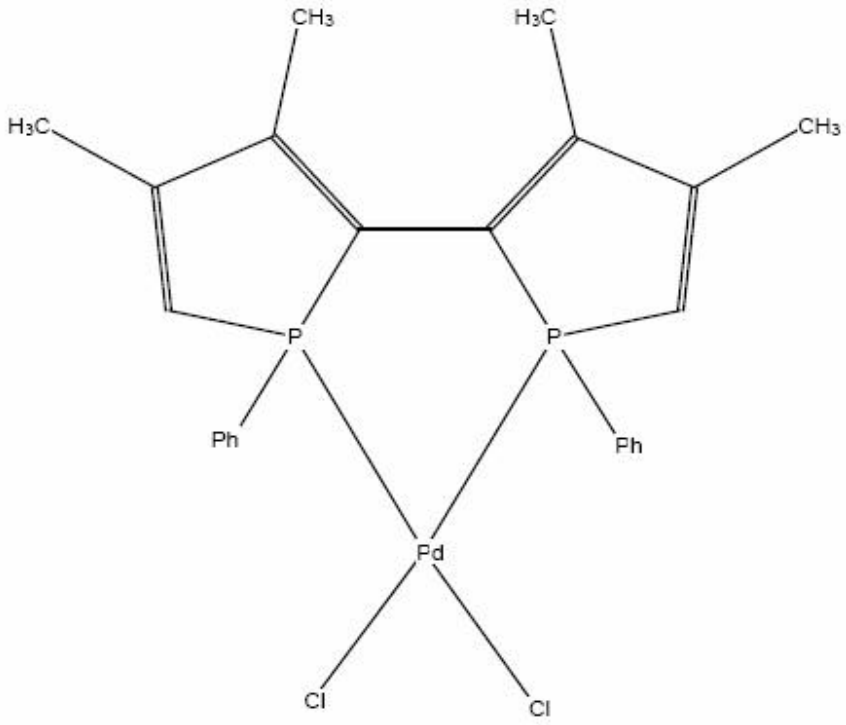


RIVVAT

Reference:	M.Gouygou, O.Tissot, J.-C.Daran, G.G.A.Balavoine (1997) *Organometallics* ,**16**,1008
Formula:	$C_{24}\ H_{24}\ Cl_2\ P_2\ Pd_1$
Compound Name:	Dichloro-(1,1'-diphenyl-3,3',4,4'-tetramethyl-2,2'-biphosphole)-palladium(ii)

Space Group:	C2/c	***Cell:***	***a***	13.236(7)	***b***	10.058(2)	***c*** 17.892(5)
Space Group No.:	15	***(Å,°)***	α	90.00	β	102.18(3)	γ 90.00

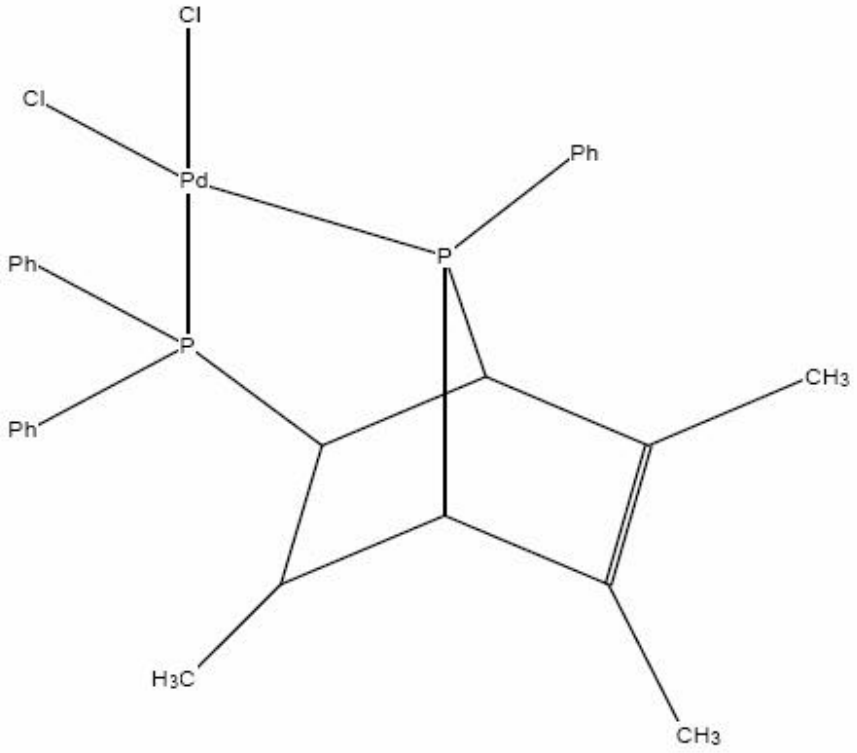
R-Factor (%):	2.30	***Temperature(K):***	295	***Density(g/cm^3):***	1.574



RUNVUR

Reference:	Beng-Hwee Aw, T.S.A.Hor, S.Selvaratnam, K.F.Mok, A.J.P.White, D.J.Williams, N.H.Rees, W.McFarlane, Pak-Hing Leung (1997) *Inorg.Chem.* ,36,2138
Formula:	$C_{27}\ H_{28}\ Cl_2\ P_2\ Pd_1$
Compound Name:	(1α,4α,5α(S),6α(S),7R)-Dichloro-(5-(diphenylphosphino)-2,3,6-trimethyl-7-phenyl-7-phosphabicyclo(2.2.1)hept-2-ene)-palladium(ii)

Space Group:	P1	***Cell:***	***a***	8.643(3)	***b***	9.044(6)	***c*** 9.058(4)
Space Group No.:	1	***(Å,°)***	α	102.75(4)	β	108.59(2)	γ 97.82(3)
R-Factor (%):	3.55	***Temperature(K):***	295		***Density(g/cm³):***		1.540

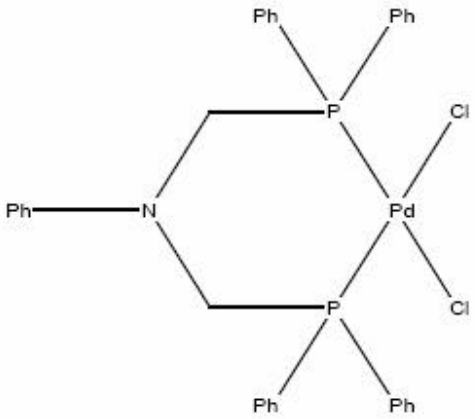


TABZOL

Reference:	A.L.Balch, M.M.Olmstead, S.P.Rowley (1990) *Inorg.Chim.Acta* ,**168**,255
Formula:	$C_{32}\ H_{29}\ Cl_2\ N_1\ P_2\ Pd_1, C_1\ H_2\ Cl_2$
Compound Name:	Dichloro-(bis(diphenylphosphinomethyl)-phenylamine-P,P')-palladium dichloromethane solvate

Space Group:	P21/n	***Cell:***	***a***	25.319(7)	***b***	13.045(3)	***c*** 9.773(2)
Space Group No.:	14	***(Å,°)***	α	90.00	β	94.72(1)	γ 90.00

R-Factor (%):	5.00	***Temperature(K):***	130	***Density(g/cm^3):***	1.552

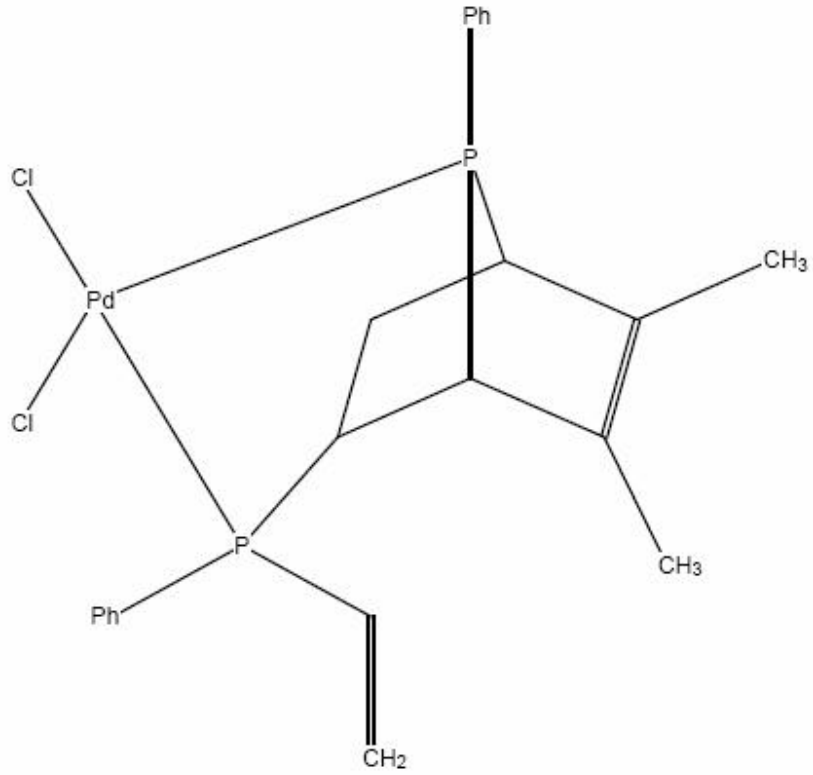




TIYPAS

Reference:	S.Selvaratnam, K.F.Mok, Pak-Hing Leung, A.J.P.White, D.J.Williams (1996) *Inorg.Chem.* ,**35**,4798
Formula:	$C_{22}\ H_{24}\ Cl_2\ P_2\ Pd_1$
Compound Name:	(SP-4-3-(1α,4α,5α(S),7R))-Dichloro-(5-(ethenylphenylphosphino)-2,3-dimethyl-7-phenyl-7-phosphabicyclo(2.2.1) hept-2-ene-P)-palladium(ii)

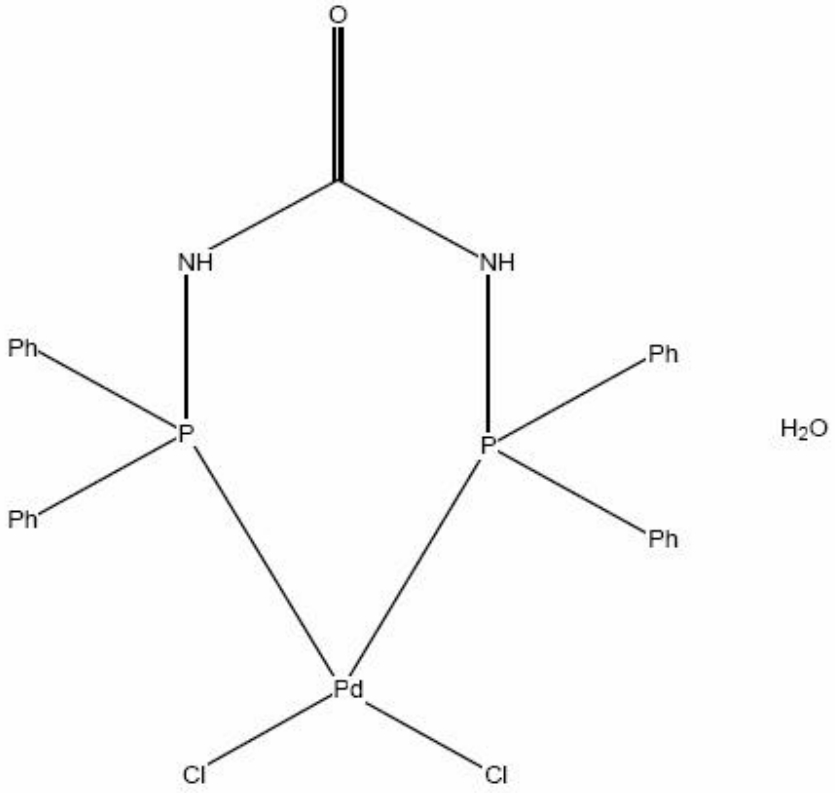
Space Group:	P212121	***Cell:***	***a***	7.280(0)	***b***	15.428(0)	***c*** 19.224(3)
Space Group No.:	19	***(Å,°)***	α	90.00	β	90.00	γ 90.00
R-Factor (%):	2.93	***Temperature(K):***	223		***Density(g/cm³):***		1.623



TOLQAM

Reference:	P.Bhattacharyya, A.M.Z.Slawin, M.B.Smith, D.J.Williams, J.D.Woollins (1996) *J.Chem.Soc.,Dalton Trans.* ,3647
Formula:	$C_{25}\,H_{22}\,Cl_2\,N_2\,O_1\,P_2\,Pd_1,H_2\,O_1$
Compound Name:	Dichloro-(N,N'-bis(diphenylphosphino)urea)-palladium monohydrate

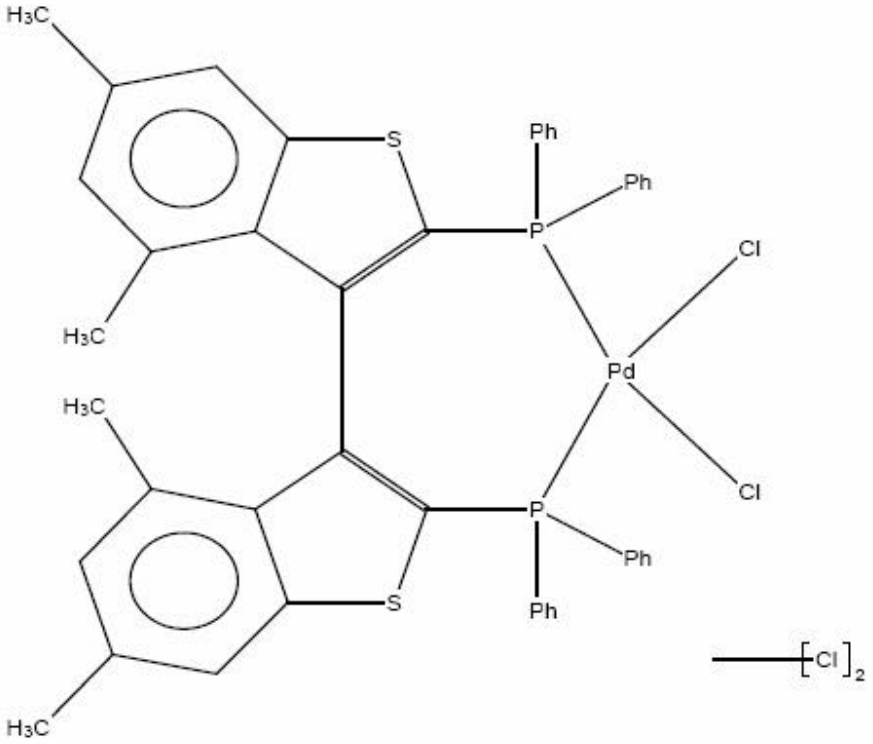
Space Group:	P21/n	***Cell:***	***a***	12.322(4)	***b***	15.726(3)	***c*** 13.926(3)
Space Group No.:	14	***(Å,°)***	α	90.00	β	90.69(2)	γ 90.00
R-Factor (%):	5.30	***Temperature(K):***	295		***Density(g/cm^3):***		1.535



TUHJIP

Reference:	T.Benincori, E.Brenna, F.Sannicolo, L.Trimarco, P.Antognazza, E.Cesarotti, F.Demartin, T.Pilati (1996) *J.Org.Chem.*, 61,6244
Formula:	$C_{44}\ H_{36}\ Cl_2\ P_2\ Pd_1\ S_2.C_1\ H_2\ Cl_2$
Compound Name:	(2,2'-bis(Diphenylphosphino)-4,4',6,6'-tetramethyl-3,3'-bibenzothiophene) -dichloro-palladium(ii) dichloromethane solvate

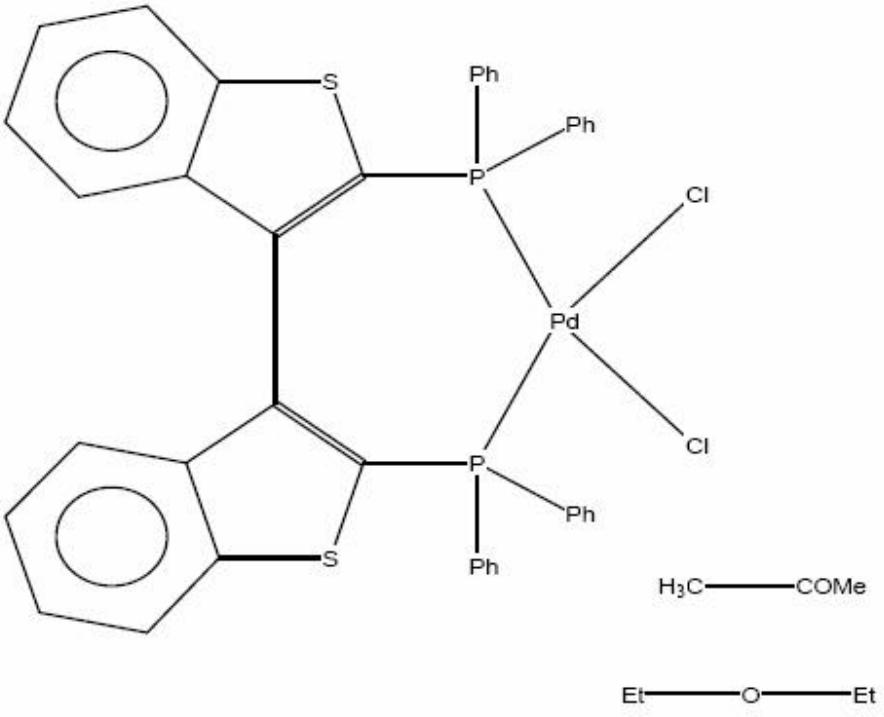
Space Group:	I-4	***Cell:***	***a***	23.900(2)	***b***	23.900(2)	***c*** 14.965(1)
Space Group No.:	82	***(Å,°)***	α	90.00	β	90.00	γ 90.00
R-Factor (%):	4.60	***Temperature(K):***	295		***Density(g/cm³):***		1.481



TUHJOV

Reference:	T.Benincori, E.Brenna, F.Sannicolo, L.Trimarco, P.Antognazza, E.Cesarotti, F.Demartin, T.Pilati (1996) *J.Org.Chem.*, 61,6244
Formula:	$C_{40}\ H_{28}\ Cl_2\ P_2\ Pd_1\ S_2, C_3\ H_6\ O_1, 0.5(C_4\ H_{10}\ O_1)$
Compound Name:	(2,2'-bis(Diphenylphosphino)-3,3'-bibenzothiophene)-dichloro-palladium(ii) acetone diethyl ether solvate

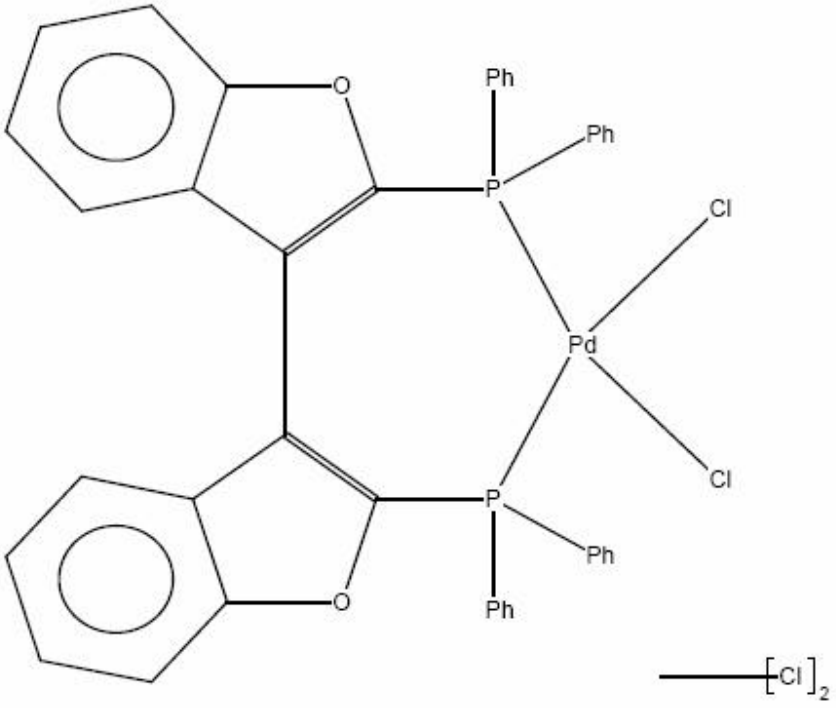
Space Group:	P21/c	***Cell:***	***a***	11.149(1)	***b***	12.888(1)	***c*** 31.179(4)
Space Group No.:	14	***(Å,°)***	α	90.00	β	95.08(1)	γ 90.00
R-Factor (%):	3.60	***Temperature(K):***	295		***Density(g/cm³):***		1.350



TUHJUB

Reference:	T.Benincori, E.Brenna, F.Sannicolo, L.Trimarco, P.Antognazza, E.Cesarotti, F.Demartin, T.Pilati (1996) *J.Org.Chem.*, 61,6244
Formula:	$C_{40}\ H_{28}\ Cl_2\ O_2\ P_2\ Pd_1, C_1\ H_2\ Cl_2$
Compound Name:	(2,2'-bis(Diphenylphosphino)-3,3'-bibenzofuran)-dichloro-palladium(ii) dichloromethane solvate

Space Group:	P-1	***Cell:***	***a***	10.012(1)	***b***	11.442(1)	***c*** 18.060(2)
Space Group No.:	2	***(Å,°)***	α	105.97(1)	β	99.06(1)	γ 103.61(1)
R-Factor (%):	4.30	***Temperature(K):***	295		***Density(g/cm³):***		1.530

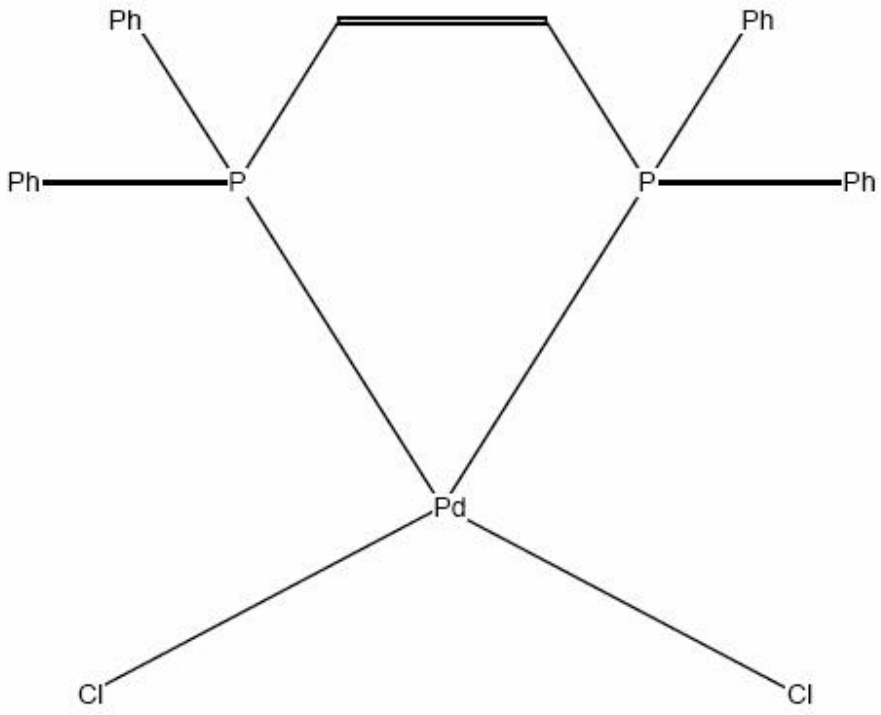


TURSUU

Reference:	R.Haid, R.Gutmann, G.Czermak, C.Langes, W.Oberhauser, H.Kopacka, K.-H.Ongania, P.Bruggeller (2003) *Inorg.Chem.Commun.* ,6,81
Formula:	$C_{26}\ H_{22}\ Cl_2\ P_2\ Pd_1$
Compound Name:	cis-Dichloro-(1,2-bis(diphenylphosphino)ethylene-P,P')-palladium(ii)

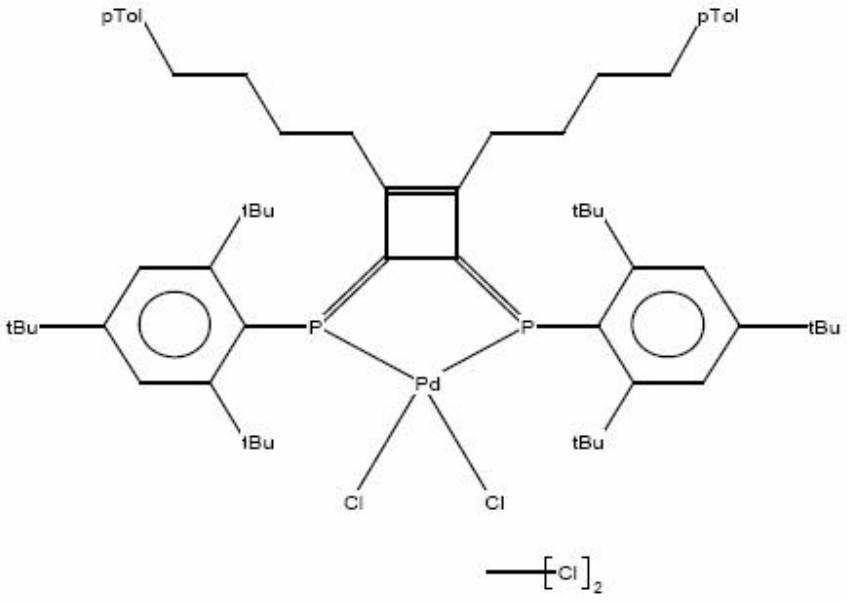
Space Group:	P21/n	***Cell:***	***a***	8.283(2)	***b***	14.544(3)	***c*** 19.970(4)
Space Group No.:	14	***(Å,°)***	α	90.00	β	90.79(3)	γ 90.00

R-Factor (%): 4.05 ***Temperature(K):*** 213 ***Density(g/cm³):*** 1.584



UBOBAO

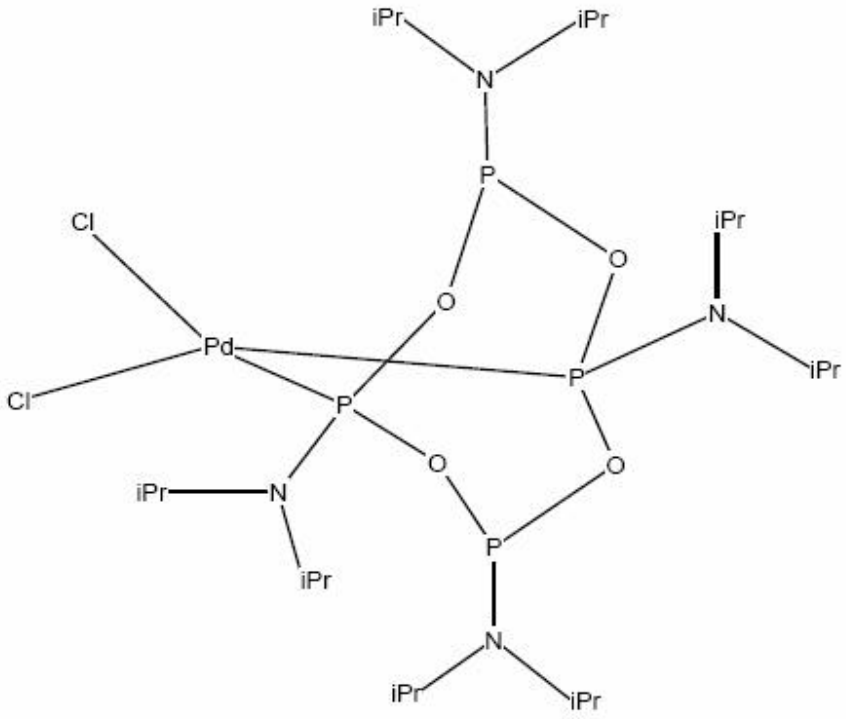
Reference:	N.Yamada, K.Toyota, M.Yoshifuji (2001) *Chem.Lett.* ,248						
Formula:	$C_{62}\ H_{88}\ Cl_2\ P_2\ Pd_1,2(C_1\ H_2\ Cl_2)$						
Compound Name:	(1,2-bis(4-p-Tolyl-n-butyl)-3,4-bis((2,4,6-tri-t-butylphenyl)phosphinidene) cyclobutene-P,P)-dichloro-palladium dichloromethane solvate						
Space Group:	C2/c	***Cell:***	***a***	23.821(1)	***b***	11.208(0)	***c*** 26.457(0)
Space Group No.:	15	***(Å,°)***	α	90.00	β	108.45(0)	γ 90.00
R-Factor (%):	6.82	***Temperature(K):***		296	***Density(g/cm³):***		1.232



VOFYEU

Reference:	E.H.Wong, Xiaoyong Sun, E.J.Gabe, F.L.Lee, J.-P.Charland (1991) *Organometallics* ,**10**,3010
Formula:	$C_{24}\ H_{56}\ Cl_2\ N_4\ O_4\ P_4\ Pd_1$
Compound Name:	Dichloro-(1,3,5,7-tetrakis(di-isopropylamino)tetraphosphoxane-P,P')-palladium

Space Group:	C2/c	***Cell:***	***a***	19.980(5)	***b***	11.095(1)	***c*** 17.934(9)
Space Group No.:	15	***(Å,°)***	α	90.00	β	112.04(3)	γ 90.00
R-Factor (%):	5.10	***Temperature(K):***		295	***Density(g/cm^3):***		1.381

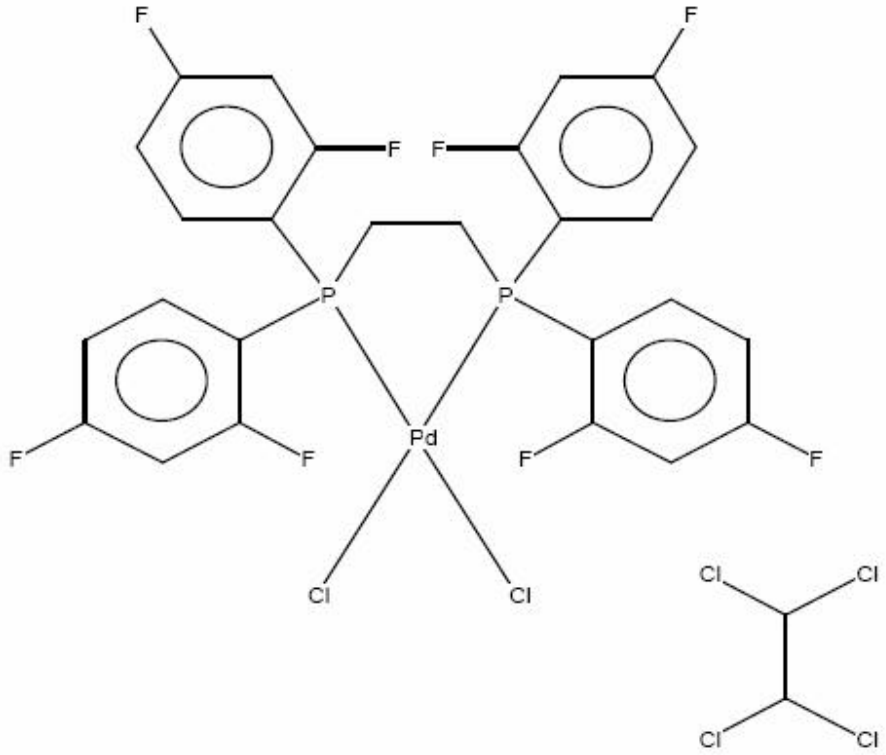


WOPGAJ

Reference:	R.Wursche, T.Debaerdemaeker, M.Klinga, B.Rieger (2000) *Eur.J.Inorg.Chem.* ,2063
Formula:	$C_{26}\ H_{16}\ Cl_2\ F_8\ P_2\ Pd_1,2(C_2\ H_2\ Cl_4)$
Compound Name:	Dichloro-(1,2-bis(bis(2,4-difluorophenyl)phosphino)ethane)-palladium(ii) 1,1,2,2-tetrachloroethane solvate

Space Group:	I2/a	***Cell:***	***a***	20.855(2)	***b***	8.528(0)	***c*** 23.200(2)
Space Group No.:	15	***(Å,°)***	α	90.00	β	104.29(1)	γ 90.00

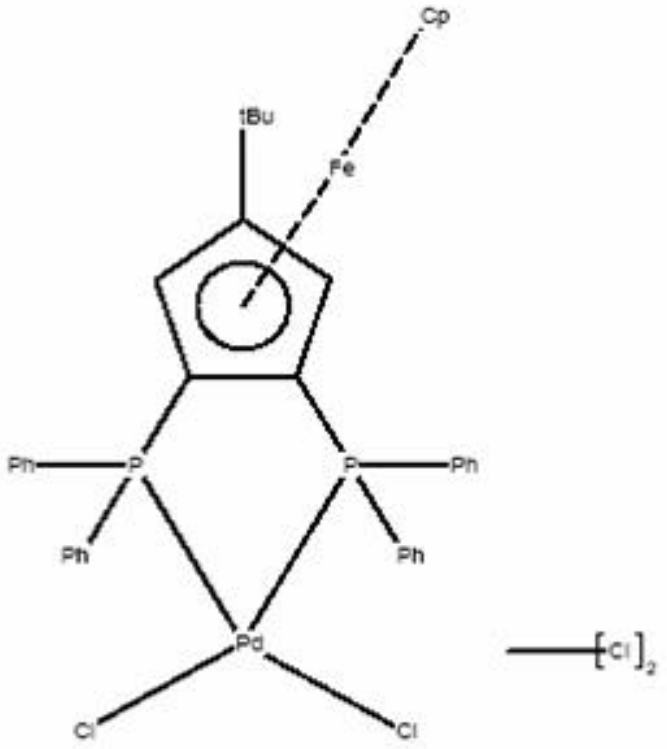
R-Factor (%): 3.20 ***Temperature(K):*** 295 ***Density(g/cm³):*** 1.753



WOSFUF

Reference:	R.Broussier, E.Bertabet, M.Laly, P.Richard, L.G.Kuz'mina, P.Serp, N.Wheatley, P.Kalck, B.Gautheron (2000) *J.Organomet.Chem.* ,**613**,77
Formula:	C_{38} H_{36} Cl_2 Fe_1 P_2 Pd_1,C_1 H_2 Cl_2
Compound Name:	Dichloro-(4-t-butyl-1,2-bis(diphenylphosphino)ferrocene-P,P')-palladium(II) dichloromethane solvate

Space Group:	P212121	***Cell:***	***a***	12.065(2)	***b***	17.250(2)	***c*** 18.230(2)
Space Group No.:	19	***(Å,°)***	α	90.00	β	90.00	γ 90.00
R-Factor (%):	2.97	***Temperature(K):***	295		***Density(g/cm^3):***		1.528

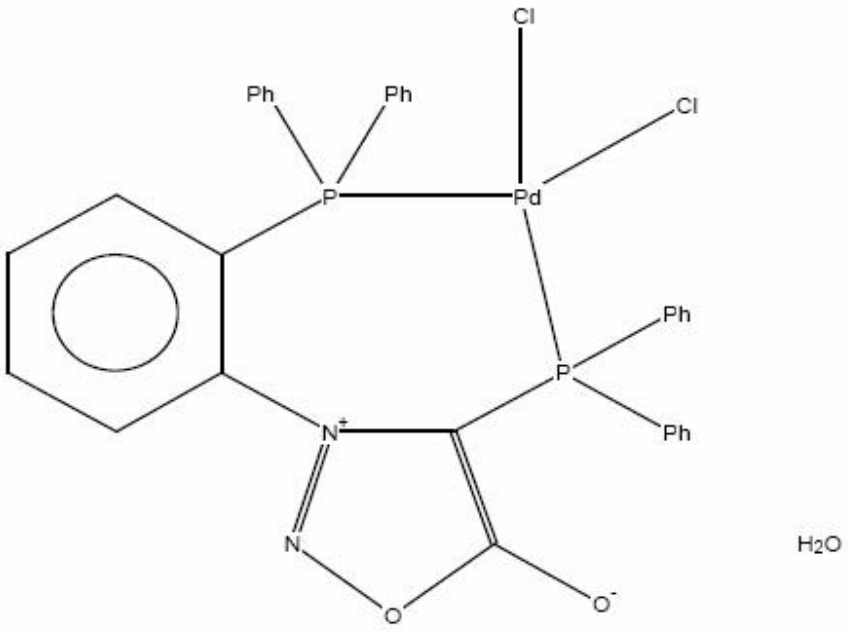


XATDEB

Reference:	Shaw-Tao Lin, Hung-Sheng Choe, Lin-Shuh Liu, Ju-Chun Wang (2000) *J.Organomet.Chem.* ,**610**,1
Formula:	C_{32} H_{24} Cl_2 N_2 O_2 P_2 Pd_1,H_2 O_1
Compound Name:	Dichloro-(3-(2-(diphenylphosphino)phenyl)-4-(diphenylphosphino) sydnone-P,P')-palladium(ii) monohydrate
Synonym:	Dichloro-(5-oxy-3-(2-(diphenylphosphino)phenyl)-4-(diphenylphosphino)-1,2,3-oxadiazol-3-ium-P,P')-palladium(ii) monohydrate

Space Group:	P212121	***Cell:***	***a***	10.145(2)	***b***	12.758(2)	***c***	28.174(2)
Space Group No.:	19	***(Å,°)***	α	90.00	β	90.00	γ	90.00

R-Factor (%):	5.53	***Temperature(K):***	295	***Density(g/cm³):***	1.322

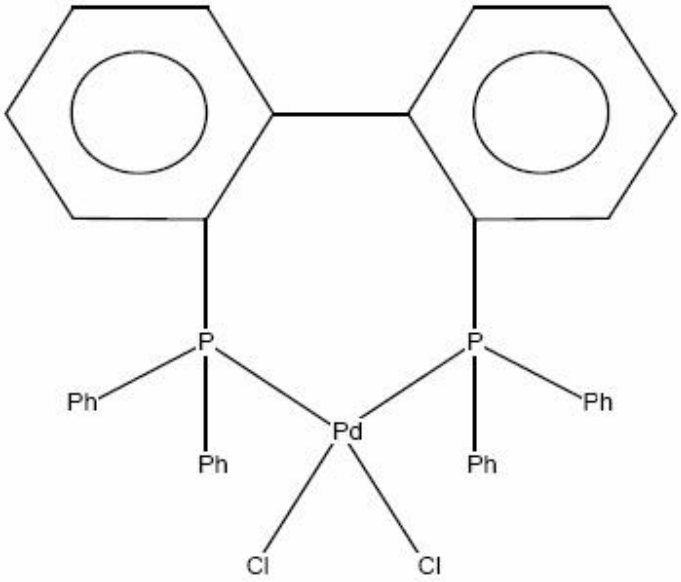


XEQWIZ

Reference:	M.Ogasawara, K.Yoshida, T.Hayashi (2000) *Organometallics* ,**19**,1567
Formula:	C_{36} H_{28} Cl_2 P_2 Pd_1,C_1 H_1 Cl_3
Compound Name:	Dichloro-(2,2'-bis(diphenylphosphino)-1,1'-biphenyl)-palladium chloroform solvate

Space Group:	P21/n	***Cell:***	***a***	10.524(4)	***b***	18.018(4)	***c*** 19.060(4)
Space Group No.:	14	***(Å,°)***	α	90.00	β	93.88(2)	γ 90.00

R-Factor (%):	4.00	***Temperature(K):***	295	***Density(g/cm^3):***	1.509

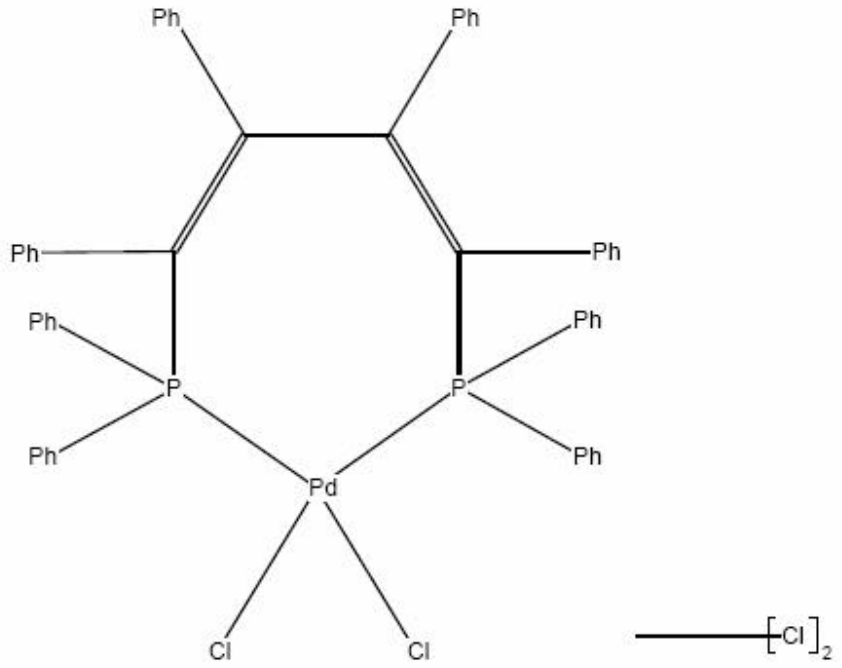




XIRVUP

Reference:	S.Doherty, J.G.Knight, E.G.Robins, T.H.Scanlan, P.A.Champkin, W.Clegg (2001) *J.Am.Chem.Soc.* ,**123**,5110
Formula:	$C_{52}\ H_{40}\ Cl_2\ P_2\ Pd_1, C_1\ H_2\ Cl_2$
Compound Name:	Dichloro-(1,4-bis(diphenylphosphino)-1,2,3,4-tetraphenyl-1,3-butadiene)-palladium dichloromethane solvate

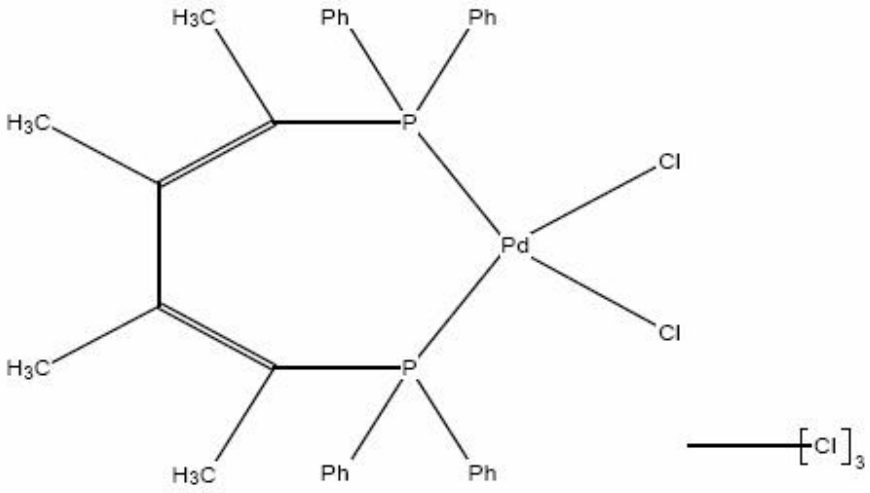
Space Group:	P21/n	***Cell:***	***a***	12.780(0)	***b***	22.213(0)	***c*** 16.361(0)
Space Group No.:	14	***(Å,°)***	α	90.00	β	101.66(0)	γ 90.00
R-Factor (%):	2.52	***Temperature(K):***	160		***Density(g/cm³):***		1.444



XOXMAY

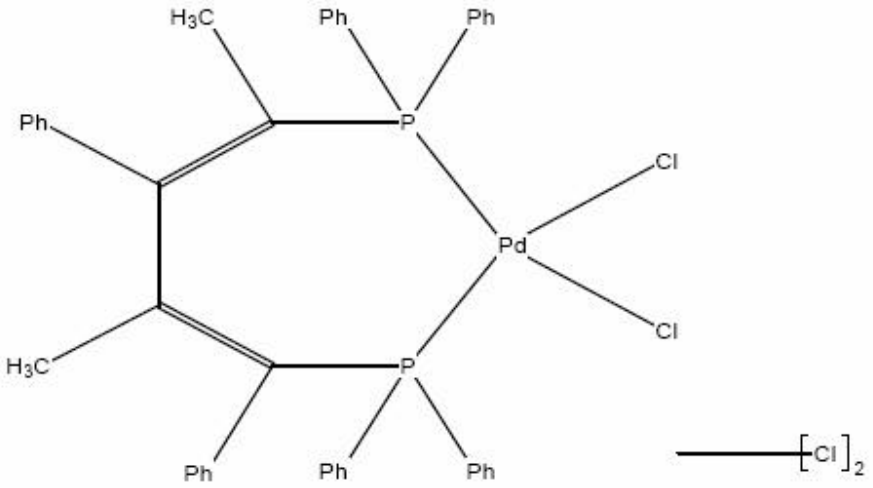
Reference:	S.Doherty, E.G.Robins, M.Nieuwenhuyzen, J.G.Knight, P.A.Champkin, W.Clegg (2002) *Organometallics* ,**21**,1383
Formula:	$C_{32}\ H_{32}\ Cl_2\ P_2\ Pd_1, C_1\ H_1\ Cl_3$
Compound Name:	Dichloro-(1,4-bis(diphenylphosphino)-1,2,3,4-tetramethylbuta-1,3-diene-P,P')-palladium chloroform solvate

Space Group:	P21/c	***Cell:***	***a***	12.788(0)	***b*** 16.228(0)	***c***	16.885(1)
Space Group No.:	14	***(Å,°)***	α	90.00	β 108.07(0)	γ	90.00
R-Factor (%):	2.54	***Temperature(K):***	160		***Density(g/cm³):***		1.546



XOXMEC

Reference:	S.Doherty, E.G.Robins, M.Nieuwenhuyzen, J.G.Knight, P.A.Champkin, W.Clegg (2002) *Organometallics* ,**21**,1383						
Formula:	C_{42} H_{36} Cl_2 P_2 Pd_1,C_1 H_2 Cl_2						
Compound Name:	Dichloro-(1,4-bis(diphenylphosphino)-1,3-diphenyl-2,4-dimethylbuta-1,3-diene-P,P')-palladium dichloromethane solvate						
Space Group:	P21/c	***Cell:***	***a***	10.232(0)	***b***	35.194(3)	***c*** 11.407(0)
Space Group No.:	14	***(Å,°)***	α	90.00	β	108.96(1)	γ 90.00
R-Factor (%):	4.01	***Temperature(K):***		160	***Density(g/cm^3):***		1.479

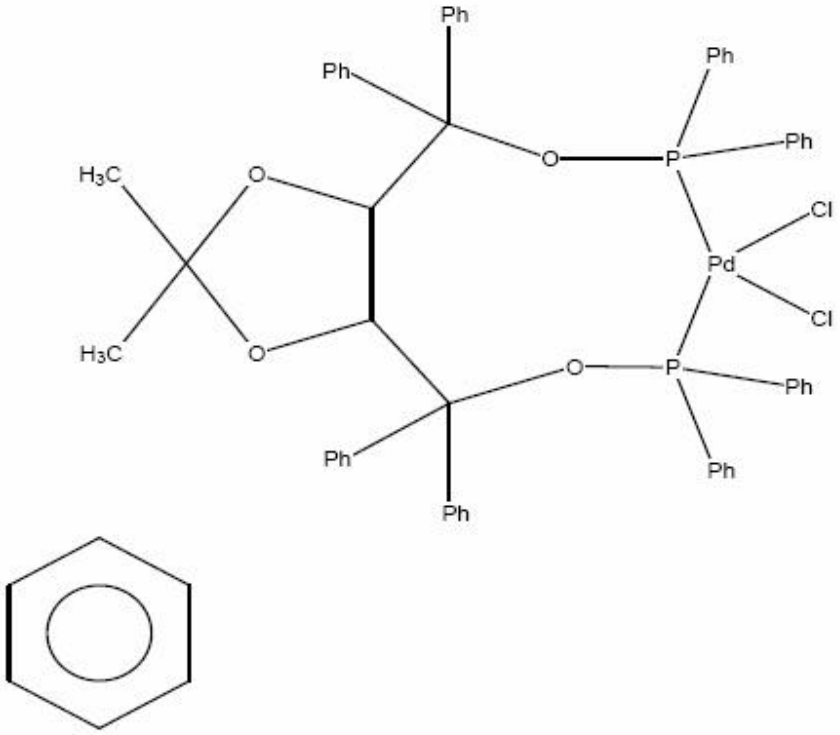


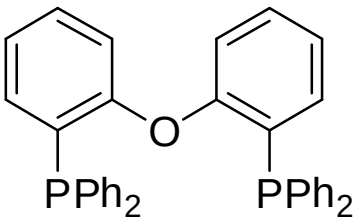
ZOCJUW

Reference:	D.Seebach, E.Devaquet, A.Ernst, M.Hayakawa, F.N.M.Kuhnle, W.B.Schweizer, B.Weber (1995) *Helv.Chim.Acta* ,**78**, 1636
Formula:	$C_{55}\ H_{48}\ Cl_2\ O_4\ P_2\ Pd_1.4(C_6\ H_6)$
Compound Name:	Dichloro-((4R,5R)-((2,2-dimethyl-1,3-dioxolane-4,5-diyl) bis(diphenylmethyl))bis(diphenylphosphinite))-palladium(ii) benzene solvate

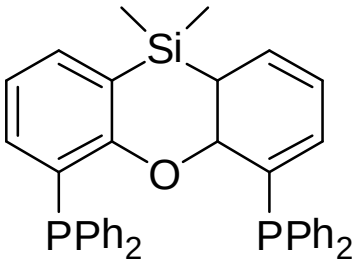
Space Group:	P21	***Cell:***	***a***	18.411	***b***	13.060	***c*** 27.566
Space Group No.:	4	***(Å,°)***	α	90.00	β	91.92	γ 90.00

R-Factor (%):	6.70	***Temperature(K):***	161	***Density(g/cm³):***	1.328

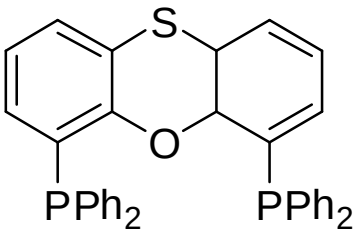




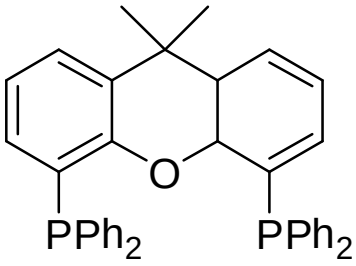
DPEphos



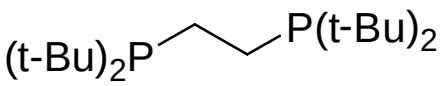
Sixantphos



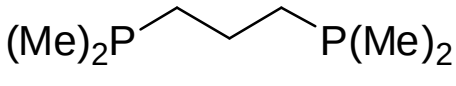
Thixantphos



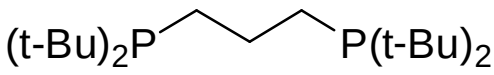
Xantphos



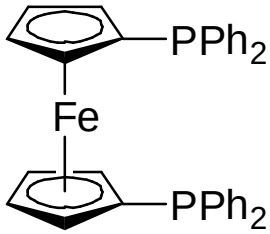
dppe-Bu



dppp-Me



dppe-Bu



dppf

Peter Dierkes and Piet W. N. M. van Leeuwen (1999)
J. Chem. Soc., Dalton Trans., 1519-1529