

# Transition Metal Catalysts

## Palladium Catalysts



Palladium(II) Acetate  
1g / 5g  
[A1424]



Palladium(II) Acetate (Purified)  
1g  
[P2161]



Palladium(II) Acetate Trimer  
1g / 5g  
[P2106]



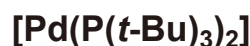
Palladium(II) Trifluoroacetate  
1g / 5g  
[P1870]



Palladium(II) Acetylacetonate  
1g / 5g  
[B2018]



Tetrakis(triphenylphosphine)-  
palladium(0)  
1g / 5g / 25g  
[T1350]



Bis(tri-*tert*-butylphosphine)-  
palladium(0)  
250mg / 1g  
[B3161]



Bis(dibenzylideneacetone)-  
palladium(0)  
1g / 5g  
[B1374]



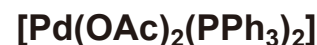
Tris(dibenzylideneacetone)-  
dipalladium(0)  
1g / 5g  
[T2184]



Bis[1,2-bis(diphenylphosphino)-  
ethane]palladium(0)  
1g / 5g  
[B3224]



Bis[di-*tert*-butyl-  
(4-dimethylaminophenyl)-  
phosphine]palladium(0)  
100mg / 500mg  
[B4837]



Bis(triphenylphosphine)-  
palladium(II) Diacetate  
1g / 5g  
[B2042]



Bis(methyldiphenylphosphine)-  
palladium(II) Dichloride  
1g  
[B2161]



Benzylbis(triphenylphosphine)-  
palladium(II) Chloride  
100mg / 1g  
[B2029]



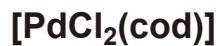
Bis(triphenylphosphine)-  
palladium(II) Dichloride  
1g / 5g / 25g  
[B1667]



Bis(tri-*o*-tolylphosphine)-  
palladium(II) Dichloride  
1g / 5g  
[B2026]



Bis(tricyclohexylphosphine)-  
palladium(II) Dichloride  
1g / 5g  
[B2055]



1,5-Cyclooctadiene-  
palladium(II) Dichloride  
1g / 5g  
[D2604]



2,5-Norbornadiene  
Palladium(II) Dichloride  
1g  
[N0842]



[1,2-Bis(diphenylphosphino)-  
ethane]palladium(II) Dichloride  
1g / 5g  
[B2016]



[1,3-Bis(diphenylphosphino)-  
propane]palladium(II) Dichloride  
1g / 5g  
[B2192]



[1,4-Bis(diphenylphosphino)-  
butane]palladium(II) Dichloride  
1g / 5g  
[B2031]



[4,5-Bis(diphenylphosphino)-  
9,9-dimethylxanthene]-  
palladium(II) Dichloride  
200mg / 1g  
[D4333]



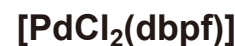
Bis(acetonitrile)-  
palladium(II) Dichloride  
1g / 5g  
[B1676]



Bis(benzonitrile)-  
palladium(II) Dichloride  
1g / 5g  
[B1668]



[1,1'-Bis(diphenylphosphino)-  
ferrocene]palladium(II) Dichloride  
Dichloromethane Adduct  
1g / 5g / 25g  
[B2064]



[1,1'-Bis(di-*tert*-butylphosphino)-  
ferrocene]palladium(II) Dichloride  
1g / 5g  
[B3160]



Allylpalladium(II)  
Chloride Dimer  
500mg / 1g  
[A1479]



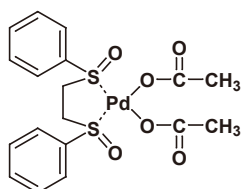
Palladium(II)( $\pi$ -cinnamyl)  
Chloride Dimer  
200mg  
[P2017]



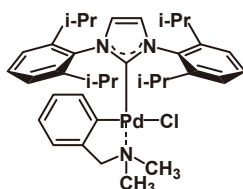
Tetrakis(acetonitrile)-  
palladium(II) Ditriflate  
1g  
[T3023]



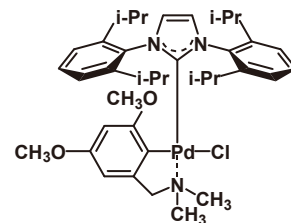
Bis(1,10-phenanthroline)palladium(II)  
Bis(hexafluorophosphate)  
200mg / 1g  
[B5400]



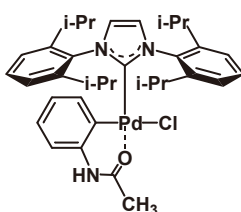
**White Catalyst**  
200mg / 1g  
[B3292]



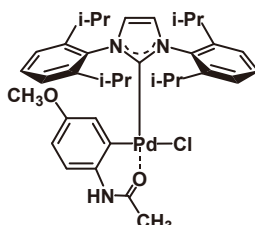
**SingaCycle™-A1**  
200mg / 1g  
[C2372]



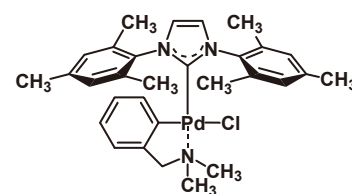
**SingaCycle™-A2**  
200mg / 1g  
[C2406]



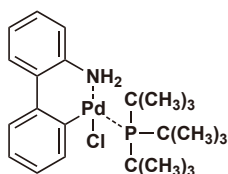
**SingaCycle™-A3**  
200mg / 1g  
[C2387]



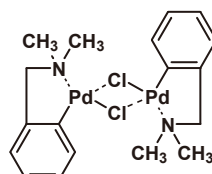
**SingaCycle™-A4**  
200mg / 1g  
[C2407]



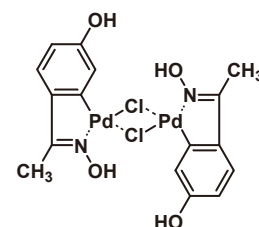
**SingaCycle™-E1**  
200mg / 1g / 5g  
[C2347]



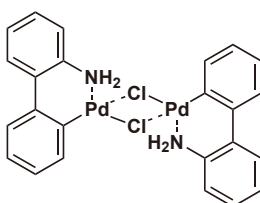
**Chloro[(tri-tert-butylphosphine)-  
2-(2-aminobiphenyl)]palladium(II)**  
1g  
[C2734]



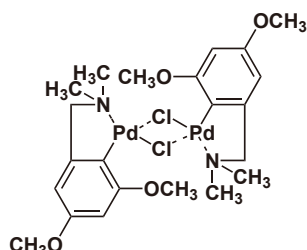
**Di-μ-chlorobis[2-[(dimethylamino)-  
methyl]phenyl-C,M]dipalladium(II)**  
1g  
[D3847]



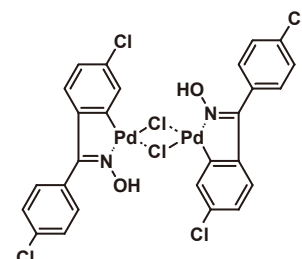
**Najera Catalyst II**  
250mg / 1g  
[D3807]



**Di-μ-chlorobis(2'-amino-1,1'-biphenyl-  
2-yl-C,N)dipalladium(II)**  
1g  
[D4191]



**Di-μ-chlorobis[2-[(dimethylamino)methyl]-  
4,6-dimethoxyphenyl-C,M]dipalladium(II)**  
1g  
[D4112]



**Najera Catalyst I**  
250mg / 1g  
[D3806]

## Copper Catalysts

### [Cu(acac)<sub>2</sub>]

**Copper(II)  
Acetylacetonate**  
25g / 250g  
[C0384]

### [Cu(hfacac)<sub>2</sub>]

**Copper(II)  
Hexafluoroacetylacetonate  
Hydrate**  
1g / 5g  
[H0554]

### [Cu(acac)(cod)]

**1,5-Cyclooctadiene-  
(hexafluoro-2,4-pentanedionato)-  
copper(I)**  
1g / 5g  
[C2610]

### [(IMes)CuCl]

**Chloro(1,3-dimesitylimidazol-  
2-ylidene)copper(I)**  
200mg / 1g  
[C2422]

### [(IPr)CuCl]

**Chloro[1,3-bis(2,6-diisopropylphenyl)-  
imidazol-2-ylidene]copper(I)**  
200mg / 1g  
[C2304]

### [(IPr)Cu(dppd)]

**[1,3-Bis(2,6-diisopropylphenyl)-  
imidazol-2-ylidene](1,3-diphenyl-  
1,3-propanedionato)copper(I)**  
200mg / 1g  
[B3351]

### [Cu(OH)(tmeda)]Cl<sub>2</sub>

**Di-μ-hydroxo-bis[(N,N,N',N'-  
tetramethylethylenediamine)-  
copper(II)] Chloride**  
5g / 25g  
[D2542]

## Nickel Catalysts

**[NiCl<sub>2</sub>(PPh<sub>3</sub>)<sub>2</sub>]**

 Bis(triphenylphosphine)-  
nickel(II) Dichloride

 10g / 100g  
[B1571]

**[NiCl<sub>2</sub>(dppe)]**

 [1,2-Bis(diphenylphosphino)-  
ethane]nickel(II) Dichloride

 1g / 5g / 25g  
[B2225]

**[NiCl<sub>2</sub>(dppp)]**

 [1,3-Bis(diphenylphosphino)-  
propane]nickel(II) Dichloride

 5g / 25g  
[B1313]

**[NiCl<sub>2</sub>(PCy<sub>3</sub>)<sub>2</sub>]**

 Bis(tricyclohexylphosphine)-  
nickel(II) Dichloride

 1g / 5g  
[B3534]

**[NiCl<sub>2</sub>(dbpf)]**

 [1,1'-Bis(diphenylphosphino)-  
ferrocene]nickel(II) Dichloride

 1g / 5g  
[B2226]

**[Ni(acac)<sub>2</sub>]**

Nickel(II) Acetylacetonate Hydrate

 25g / 100g / 500g  
[N0096]

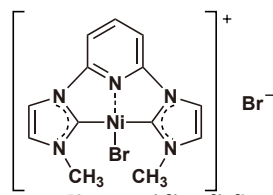
**[Ni(hfacac)<sub>2</sub>]**

 Nickel(II)  
Hexafluoroacetylacetonate  
Hydrate

 1g / 5g  
[H0558]

**[NiCl<sub>2</sub>(PCy<sub>2</sub>Ph)<sub>2</sub>]**

 Bis(dicyclohexylphenyl-  
phosphino)nickel(II) Dichloride

 250mg  
[D5369]

 Bromo[(2,6-pyridinediyl)-  
bis(3-methyl-1-imidazolyl-  
2-ylidene)]nickel Bromide

 1g  
[B3354]

**[NiCl<sub>2</sub>(IPr)(PPh<sub>3</sub>)]**

 [1,3-Bis(2,6-diisopropylphenyl)imidazol-  
2-ylidene]triphenylphosphine  
Nickel(II) Dichloride

 200mg / 1g  
[B3235]

**[Ni(cod)<sub>2</sub>]**

Bis(1,5-cyclooctadiene)nickel(0)

 5g  
[B3095]

**[Ni(cod)<sub>2</sub>]**

 Bis(1,5-cyclooctadiene)-  
nickel(0) (Wax encapsulated)

 (ca. 0.05mmol/capsule)  
5each  
[B5417]

## Ruthenium Catalysts

**[RuCl<sub>2</sub>(PPh<sub>3</sub>)<sub>3</sub>]**

 Tris(triphenylphosphine)-  
ruthenium(II) Dichloride

 1g / 5g  
[D1997]

**[CpRuCl(PPh<sub>3</sub>)<sub>2</sub>]**

 Cyclopentadienyl-  
bis(triphenylphosphine)-  
ruthenium(II) Chloride

 1g / 5g  
[C2201]

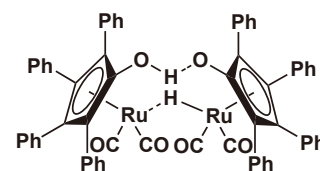
**[RuH<sub>2</sub>(CO)(PPh<sub>3</sub>)<sub>3</sub>]**

 Carbonyl(dihydrido)-  
tris(triphenylphosphine)-  
ruthenium(II)

 250mg / 1g  
[C2251]

**[Ru(acac)<sub>3</sub>]**

Ruthenium(III) Acetylacetonate

 1g / 5g  
[T2183]


Shvo's Catalyst

 100mg  
[H1322]

**[(C<sub>6</sub>H<sub>6</sub>)RuCl<sub>2</sub>]<sub>2</sub>**

 Benzeneruthenium(II)  
Chloride Dimer

 1g / 5g  
[B1902]

**[(hmb)RuCl<sub>2</sub>]<sub>2</sub>**

 (Hexamethylbenzene)ruthenium(II)  
Dichloride Dimer

 1g  
[H1010]

**[(p-cymene)RuCl<sub>2</sub>]<sub>2</sub>**

 p-Cymeneruthenium(II)  
Dichloride Dimer

 1g / 5g  
[D2751]

## Iridium Catalysts

**[Ir(cod)(PCy<sub>3</sub>)(py)]PF<sub>6</sub>**

 Crabtree's Catalyst  
100mg  
[C2824]

**[Cp\*IrCl<sub>2</sub>]<sub>2</sub>**

 (Pentamethylcyclopentadienyl)-  
iridium(III) Dichloride Dimer

 1g  
[P1763]

**[IrCl(cod)]<sub>2</sub>**

 Chloro(1,5-cyclooctadiene)-  
iridium(I) Dimer

 250mg / 1g  
[C1807]

**[Ir(OMe)(cod)]<sub>2</sub>**

 (1,5-Cyclooctadiene)-  
(methoxy)iridium(I) Dimer

 200mg / 1g  
[C2662]

**[IrCl(CO)(PPh<sub>3</sub>)<sub>2</sub>]**

 Vaska's Catalyst  
200mg / 1g  
[C2252]

**[IrH(CO)(PPh<sub>3</sub>)<sub>2</sub>]**

 Tris(triphenylphosphine)iridium(I)  
Carbonyl Hydride

 200mg / 1g  
[C3040]

**[Ir(acac)(cod)]**

 (Acetylacetonato)-  
(1,5-cyclooctadiene)iridium(I)

 200mg / 1g  
[A2981]

**[IrCl(coe)<sub>2</sub>]<sub>2</sub>**

 Chlorobis(cyclooctene)-  
iridium(I) Dimer

 200mg  
[C2985]

## Rhodium Catalysts



Tetrakis(triphenylphosphine)-rhodium(I) Hydride  
200mg  
[H1317]



Wilkinson Catalyst  
1g / 5g  
[T0931]



Bis(triphenylphosphine)-carbonylrhodium(I) Chloride  
1g  
[B1692]



Dirhodium(II) Tetraacetate  
100mg / 1g  
[R0069]



Bis[η-(2,5-norbornadiene)]-rhodium(I) Tetrafluoroborate  
100mg  
[B2091]



Bis(1,5-cyclooctadiene)-rhodium(I) Tetrafluoroborate  
100mg / 1g  
[B3961]



Norbornadiene Rhodium(I) Chloride Dimer  
100mg  
[N0453]



1,5-Cyclooctadiene Rhodium(I) Chloride Dimer  
100mg / 1g  
[B1045]



Chlorobis(cyclooctene)-rhodium(I) Dimer  
100mg / 500mg  
[C2253]



Chlorobis(ethylene)-rhodium(I) Dimer  
200mg  
[C2461]



(Pentamethylcyclopentadienyl)-rhodium(III) Dichloride Dimer  
200mg / 1g  
[P1788]



Bis[rhodium-(α,α,α',α'-tetramethyl-1,3-benzenedipropionic Acid)]  
100mg / 500mg  
[B4549]

## Iron Catalysts



Iron(II) Acetate  
5g / 25g  
[I0765]



Iron(III) Acetylacetonate  
25g / 100g / 500g  
[I0079]



Iron(III) Hexafluoroacetylacetonate  
1g  
[H0555]



Cyclopentadienyliron Dicarboxyl Dimer  
5g  
[C1592]

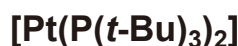


Tris(dibenzoylmethanato) Iron  
5g / 25g  
[T1686]

## Platinum Catalysts



Tetrakis(triphenylphosphine)-platinum(0)  
1g  
[T2485]



Bis(tri-*tert*-butylphosphine)-platinum(0)  
250mg  
[B3162]



1,5-Cyclooctadieneplatinum(II) Dichloride  
200mg / 1g  
[D3592]



Platinum(II) Acetylacetonate  
1g  
[B3115]

## Silver Catalysts

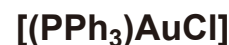


Chloro[1,3-bis(2,6-diisopropylphenyl)imidazol-2-ylidene]silver  
200mg / 1g  
[C2373]

## Gold Catalysts



Chloro[1,3-bis(2,6-diisopropylphenyl)imidazol-2-ylidene]gold(I)  
200mg  
[C2405]



(Triphenylphosphine)-gold(I) Chloride  
200mg / 1g  
[T2994]

For further information please refer to our website at [www.TCIchemicals.com](http://www.TCIchemicals.com).

catalysis



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