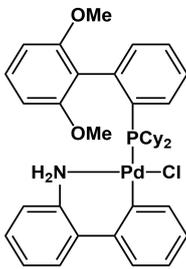
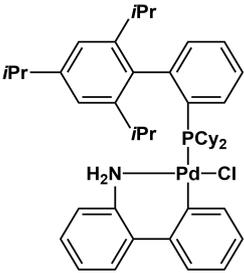
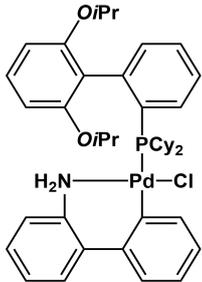
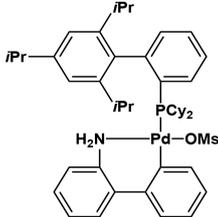
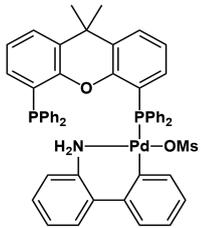
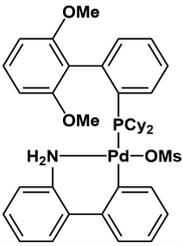
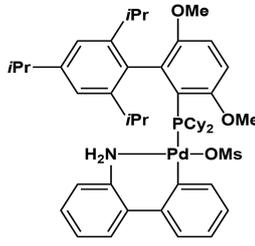
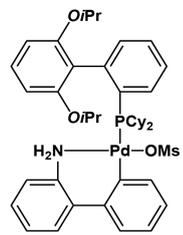
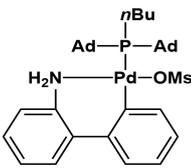
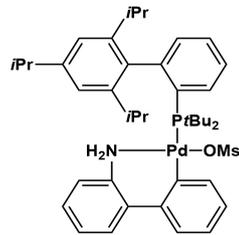
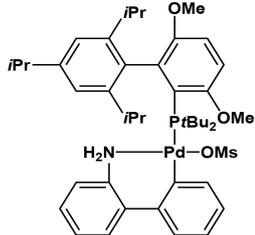
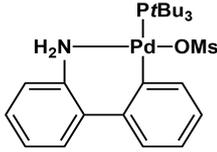
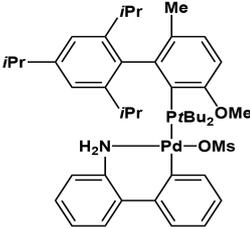
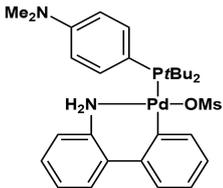
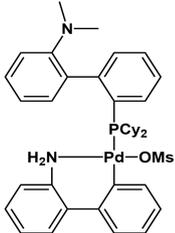
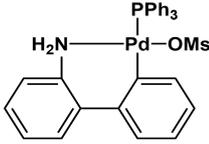
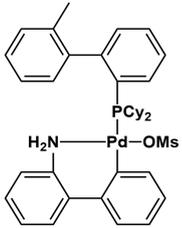
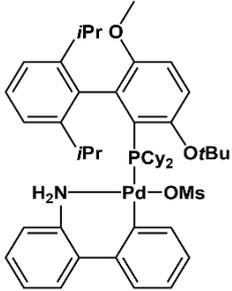
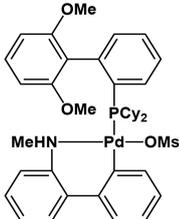
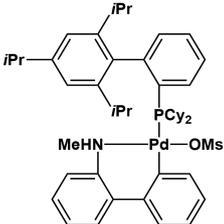
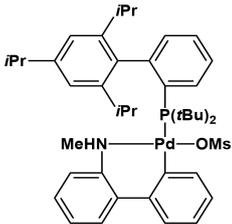
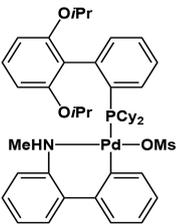
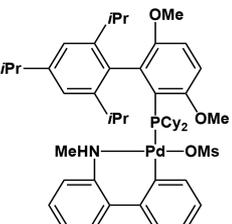


**Precious Metals Catalysts**

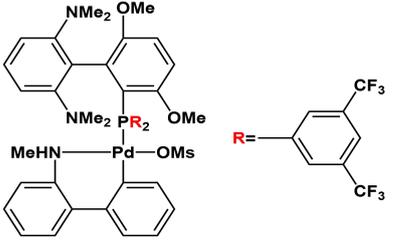
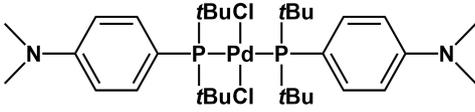
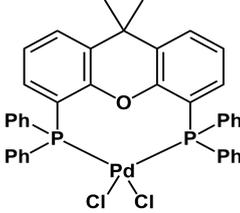
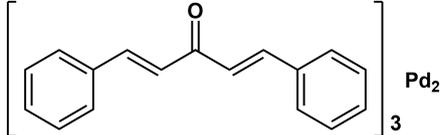
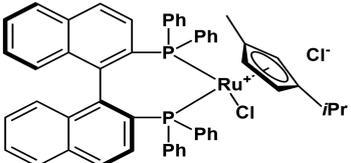
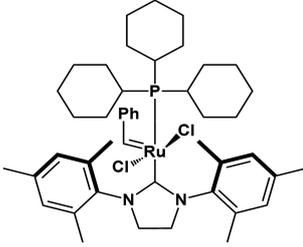
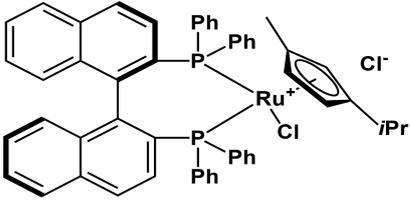
Series	Name	CAS No.	Chemical structure formula
1	Chloro(2-dicyclohexylphosphino-2',6'-dimethoxy-1,1'-biphenyl)[2-(2'-amino-1,1'-biphenyl)]palladium(II) <b>(SPhos Pd G2)</b>	1375325-64-6	
2	Chloro(2-dicyclohexylphosphino-2',4',6'-triisopropyl-1,1'-biphenyl)[2-(2'-amino-1,1'-biphenyl)]palladium(II) <b>(XPhos Pd G2)</b>	1310584-14-5	
3	Chloro(2-dicyclohexylphosphino-2',6'-diisopropoxy-1,1'-biphenyl)[2-(2'-amino-1,1'-biphenyl)]palladium(II) <b>(RuPhos Pd G2)</b>	1375325-68-0	
4	Methanesulfonato(2-dicyclohexylphosphino-2',4',6'-triisopropyl-1,1'-biphenyl)(2'-amino-1,1'-biphenyl-2-yl)palladium(II) <b>(XPhos Pd G3)</b>	1445085-55-1	
5	Methanesulfonato[9,9-dimethyl-4,5-bis(diphenylphosphino)xanthene](2'-amino-1,1'-biphenyl-2-yl)palladium(II) <b>(Xantphos Pd G3)</b>	1445085-97-1	

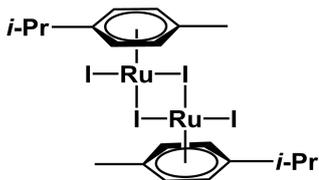
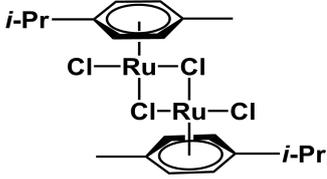
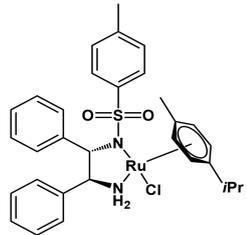
6	Methanesulfonate(2-Dicyclohexylphosphino-2',6'-dimethoxybiphenyl)(2'-amino-1,1'-biphenyl-2-yl)palladium(II) (SPhos Pd G3)	1445085-82-4	
7	Methanesulfonato(2-dicyclohexylphosphino-3,6-diMethoxy-2',4',6'-tri-i-propyl-1,1'-biphenyl)(2'-aMino-1,1'-biphenyl-2-yl)palladium(II) (BrettPhos Pd G3)	1470372-59-8	
8	Methanesulfonato(2-dicyclohexylphosphino-2',6'-di-i-propoxy-1,1'-biphenyl)(2'-amino-1,1'-biphenyl-2-yl)palladium(II) (Ruphos Pd G3)	1445085-77-7	
9	Methanesulfonato(diadamantyl-n-butylphosphino)-2'-amino-1,1'-biphenyl-2-yl)palladium(II) (cataCXium A Pd G3)	1651823-59-4	
10	Methanesulfonato(2-di-t-butylphosphino-2',4',6'-tri-i-propyl-1,1'-biphenyl)(2'-aMino-1,1'-biphenyl-2-yl)palladium(II) (tBuXPhos Pd G3)	1447963-75-8	
11	Methanesulfonato(2-Di-t-butylphosphino-3,6-dimethoxy-2'-4' -6'-tri-i-propyl-1,1'-biphenyl)(2'-amino-1,1'-biphenyl-2-yl)palladium(II) (tBuBrettPhos Pd G3)	1536473-72-9	

12	Methanesulfonato(tri- <i>t</i> -butylphosphino)(2'-amino-1,1'-biphenyl-2-yl)palladium(II) (P( <i>t</i> -Bu) <sub>3</sub> Pd G3)	1445086-17-8	
13	Methanesulfonato(2-(di- <i>t</i> -butylphosphino)-3-methoxy-6-methyl-2',4',6'-tri- <i>i</i> -propyl-1,1'-biphenyl)(2'-amino-1,1'-biphenyl-2-yl)palladium(II) (RockPhos Pd G3)	2009020-38-4	
14	Methanesulfonato{[4-( <i>N,N</i> -Dimethylamino)Phenyl]Di- <i>T</i> -Butylphosphino}(2'-Amino-1,1'-Biphenyl-2-yl)Palladium(II) (Amphos Pd G3)	1820817-64-8	
15	Methanesulfonato(2-Dicyclohexylphosphino-2'- <i>N,N</i> -dimethylamino-1,1'-biphenyl)(2'-amino-1,1'-biphenyl-2-yl)palladium(II) (Davephos PD G3)	1621274-13-2	
16	Methanesulfonato(triphenylphosphine)(2'-amino-1,1'-biphenyl-2-yl)palladium(II) (PPH3 PD G3)	NA	
17	Methanesulfonate(2-Dicyclohexylphosphino-2'-methyl)(2'-Amino-1,1'-Biphenyl-2-yl)Palladium(II) (Mephos Pd G3)	NA	

18	Methanesulfonato[Dicyclohexyl[3-(1,1-dimethylethoxy)-6-methoxy-2',6'-bis(1-methylethyl)][1,1'-biphenyl]-2-yl]phosphine](2'-amino-1,1'-biphenyl-2-yl)palladium(II) (GPhos Pd G3)	2489525-82-6	
19	Methanesulfonato(2-dicyclohexylphosphino-2',6'-dimethoxy-1,1'-biphenyl)(2'-methylamino-1,1'-biphenyl-2-yl)palladium(II) (SPhos Pd G4)	1599466-87-1	
20	Methanesulfonato(2-dicyclohexylphosphino-2',4',6'-tri-i-propyl-1,1'-biphenyl)(2'-methylamino-1,1'-biphenyl-2-yl)palladium(II) (XPhos Pd G4)	1599466-81-5	
21	Methanesulfonato(2-di-t-butylphosphino-2',4',6'-tri-i-propyl-1,1'-biphenyl)(2'-methylamino-1,1'-biphenyl-2-yl)palladium(II) (t-ButylXPhos Pd G4)	1599466-89-3	
22	Methanesulfonato(2-dicyclohexylphosphino-2',6'-di-i-propoxy-1,1'-biphenyl)(2'-methylamino-1,1'-biphenyl-2-yl)palladium(II) (Ruphos Pd G4)	1599466-85-9	
23	Methanesulfonato(2-dicyclohexylphosphino-3,6-dimethoxy-2',4',6'-tri-i-propyl-1,1'-biphenyl)(2'-methylamino-1,1'-biphenyl-2-yl)palladium(II) (BrettPhos Pd G4)	1599466-83-7	

24	Methanesulfonato(tri- <i>t</i> -butylphosphino)(2-methylamino-1;1'-biphenyl-2-yl)palladium(II) ( <i>Pt</i> Bu3 Pd G4)	1621274-11-0	
25	Methanesulfonato[4;5-Bis(diphenylphosphino)-9;9-dimethylxanthene](2-methylamino-1;1'-biphenyl-2-yl)palladium(II) (Xantphos Pd G4)	1621274-19-8	
26	Methanesulfonato[2-(diamondphosphine)morpholine][2-(2'-methylamino-1,1'-biphenyl)] Palladium (II) (MorDalPhos Pd G4)	2230788-66-4	
27	Methanesulfonato(tricyclohexylphosphino)(2'-methylamino-1,1'-biphenyl-2-yl)palladium(II) (PCy3 Pd G4)	2195390-53-3	
28	Methanesulfonato[(di(1-adamantyl)- <i>n</i> -butylphosphine)](2'-methylamino-1,1'-biphenyl-2-yl)palladium(II) (cataCXium Pd G4)	2230788-67-5	
29	Methanesulfonato[Dicyclohexyl[3-(1-methylethoxy)-2',4',6'-tris(1-methylethyl)-1,1'-biphenyl-2-yl]phosphine}(2'-methylamino-1,1'-biphenyl-2-yl)palladium(II) (Ephos Pd G4)	2132978-44-8	
30	Methanesulfonato(2-dicyclohexylphosphino-2'-methoxy-4',6'-di- <i>t</i> -butylphosphino-1,1'-diphenyl)(2'-methylamino-1,1'-biphenyl-2-yl)palladium(II) (VPhos Pd G4)	1848244-57-4	

31	Methanesulfonato{2-bis[3,5-di(trifluoromethyl)phenylphosphino]-3,6-dimethoxy-2',6'-bis(dimethylamino)-1,1'-biphenyl}(2'-methylamino-1,1'-biphenyl-2-yl)palladium(II) (Palladacycle Gen.4)	1810068-35-9	
32	Bis{bis(tert-butyl)[4-(dimethylamino)phenyl]phosphine}palladium(II) chloride (Pd-132)	887919-35-9	
33	Dichloro[9,9-dimethyl-4,5-bis(diphenylphosphino)xanthene]palladium(II)	205319-10-4	
34	Tris(dibenzylideneacetone)dipalladium	51364-51-3	
35	(S)-(-)-2,2'-Bis(diphenylphosphino)-1,1'-binaphthalenechloro(p-cyMene)ruthenium chloride	130004-33-0	
36	Tricyclohexylphosphine[1,3-bis(2,4,6-trimethylphenyl)-4,5-dihydroimidazol-2-ylidene][benzylidene]ruthenium	246047-72-3	
37	(R)-(-)-2,2'-Bis(diphenylphosphino)-1,1'-binaphthalenechloro(p-cyMene)ruthenium chloride	145926-28-9	

38	Diiodo(p-cyMene)ruthenium(II) diMer	90614-07-6	
39	Dichloro(p-cyMene)ruthenium(II) diMer	52462-29-0	
40	(S,S)-N-(p-Toluenesulfonyl)-1,2-diphenylethanediamine(chloro)(p-cymene)ruthenium(II)	192139-90-5	
 <b>Xinxiang Runyu Material Co.,Ltd</b>			
<a href="https://runvmat.com">https://runvmat.com</a>			