

Реакция перекрестного соединения

Сузуки-Мияура

Технические характеристики

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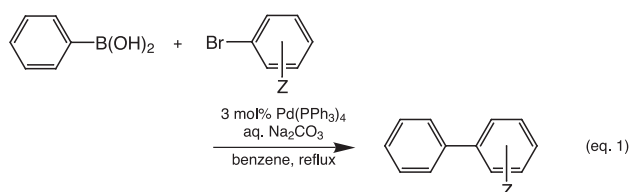
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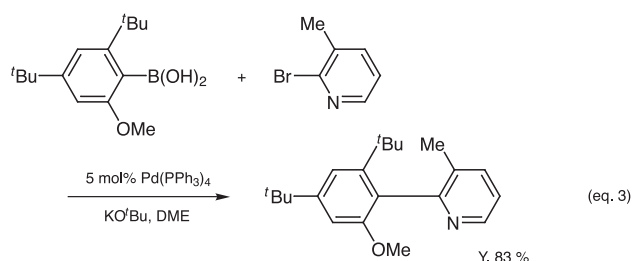
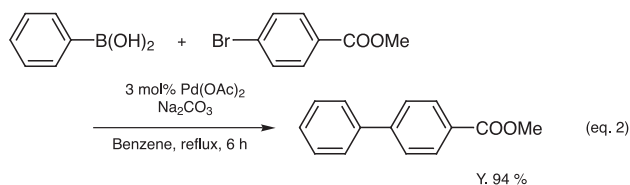
Suzuki-Miyaura Cross Coupling Reaction

Biaryl compounds are utilized as important basic skeletons of functional materials such as liquid crystals and biologically active compounds. For example, the biphenyl skeleton of diflunisal demonstrates analgesic and anti-inflammatory effects, and 4-alkyl-4'-cyanobiphenyl is a liquid crystal material. Traditionally, the Ullmann reaction and the Gomberg-Bachmann-Hey reaction have been used for biaryl formation. However, the reaction selectivities and yields of the anticipated products were poor.

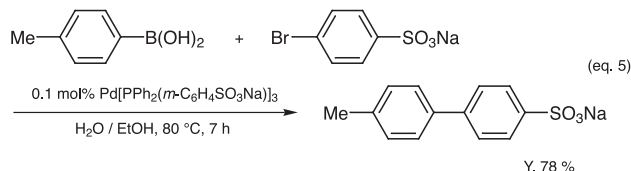
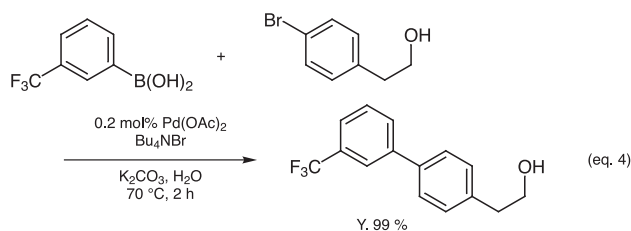
In 1981, Suzuki and Miyaura *et al.* made a breakthrough in the methodology of biaryl compound synthesis by using aryl boronic acids and aryl bromide under homogeneous palladium catalyzed conditions in the presence of bases (eq. 1).¹⁾



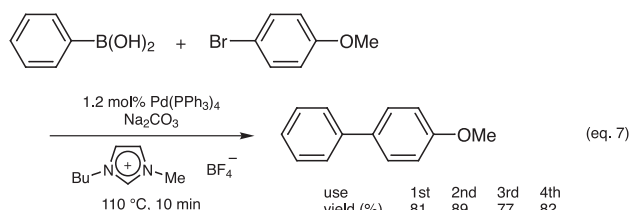
Under mild conditions, these reactions produce biaryl compounds with high selectivities and excellent yields. Moreover, there are few limitations in terms of functional group requirements, thus making it possible for the synthesis of biaryls with diverse components such as hydroxy, carboxyl and formyl groups, etc. (eq. 2). Furthermore, it is possible to synthesize sterically-hindered pyridylphenol derivatives (eq. 3).²⁾ This useful reaction, the "Suzuki-Miyaura Cross Coupling Reaction" is named after its inventors, and it is an extremely useful reaction, although many improvements have been made since its discovery.



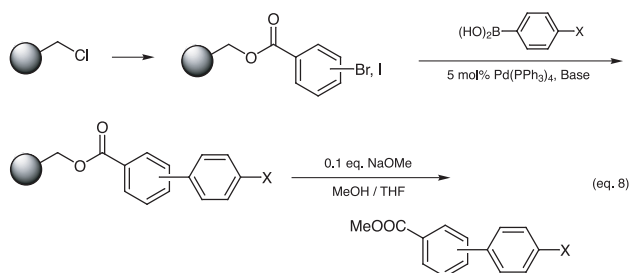
In recent years, many modifications in the "Suzuki-Miyaura Cross Coupling Reaction", such as using water as the solvent, have been made from Green Chemistry's viewpoint. For example, $\text{ArB(OH)}_3 \cdot \text{Bu}_4\text{N}^+$, generated when tetrabutyl-ammonium bromide and aryl boronic acid react in water, accelerates the cross-coupling reaction (eq. 4).³⁾ The cross-coupling reactions using the water-soluble Pd(0) catalyst have also been reported (eq. 5).⁴⁾



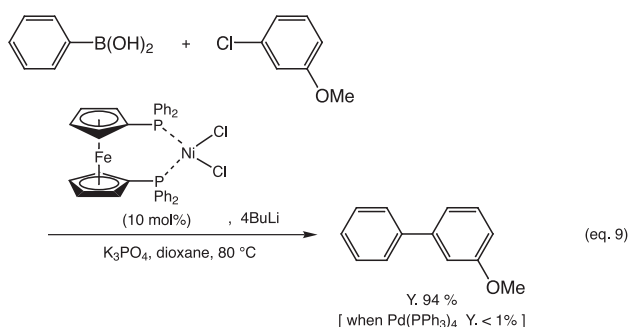
Experimental trials using ionic liquids as solvents have also been reported. According to reports, the products are easily extracted using organic solvents after the reaction, and the catalysts are held in ionic liquids. These ionic liquids and catalysts can be reused (eq. 7).⁵⁾



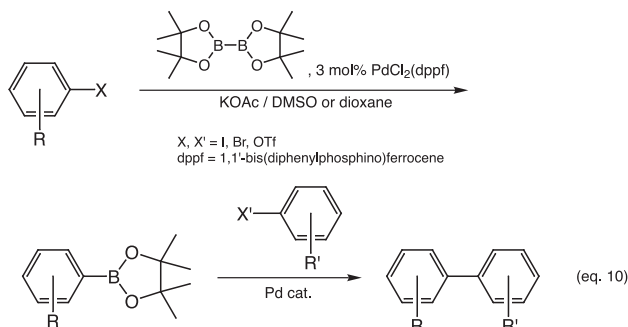
Since the first report of the Suzuki-Miyaura Cross Coupling Reaction, these have been many applications toward solid phase synthesis⁶⁾ and other various syntheses. Aryl iodides and aryl bromides bound to Merrifield resin react with many different types of aryl boronic acids, and they produce biaryls in high yields (eq. 8).



The reactivities of aryl halides and aryl triflates are indicated as follows; $\text{Ar-I} > \text{Ar-Br} > \text{Ar-OTf} \gg \text{Ar-Cl}$. The oxidative addition of aryl chloride upon Pd is too slow. Therefore, in most cases it has been shown that the reaction itself does not proceed to completion, except in cases where aryls are heterocycles or possess electron-withdrawing groups. There have been some reports that biaryls can be produced in high yields from aryl chloride and aryl boronic acid when Ni catalyst is used instead of Pd catalyst (eq. 9).⁷⁾



Aryl boronic acids are typically produced by making alkyl borate react with either Grignard or organolithium reagents. However, these methods have a few drawbacks, they require low temperature conditions, and the yields of aryl boronic acids may decrease depending upon the substituent. Miyaura et al. reported that aryl boronate that is produced from diboron esters and aryl halides or aryl triflates can be used for the Suzuki-Miyaura Cross Coupling Reaction (eq. 10).⁸⁾ Thus, aryl boronate is a useful compound that can be utilized directly in the Cross Coupling Reaction.



In conclusion, the Suzuki-Miyaura Cross Coupling Reaction is not only one of the most powerful methods used in the formation of C-C bonds, but it is also an extremely useful procedure in the construction of the carbon skeletons of many biologically important compounds.

References

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Review

Suzuki-Miyaura Cross Coupling Reaction

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Aryl-Aryl Bond Formation

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Carbon-Carbon Bond Forming Solid-Phase Reaction

B. A. Lorschach, M. J. Kurth, *J. Chem. Rev.* **1999**, 99, 1549; R. Franzén, *Can. J. Chem.* **2000**, 78, 957.

The list of products

We introduce our products according to their structure.

Boronic Acids 5

Aryl Boronic Acids (Unsubstituted)
Aryl Boronic Acids (Monosubstituted)
Aryl Boronic Acids (Disubstituted)
Aryl Boronic Acids (Trisubstituted)
Aryl Boronic Acids (Pentasubstituted)
Heteroaryl Boronic Acids
Alkenyl Boronic Acids
Alkyl Boronic Acids

Boronate Esters 15

Protected Boronic Acids 20

Trifluoroborate Salts 20

Diboronic Acid / Diboronic Acid Esters 21

Palladium Catalysts 21

Nickel Catalysts 23

Phosphine Ligands 23

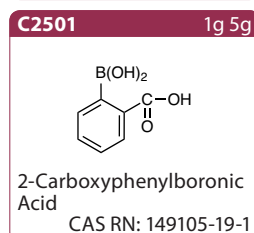
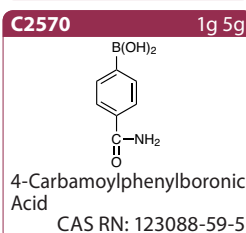
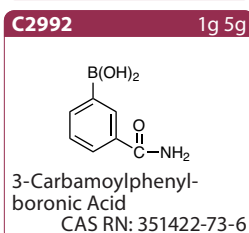
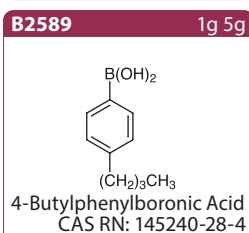
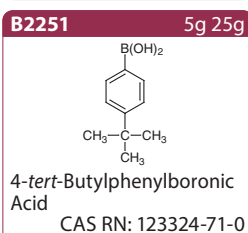
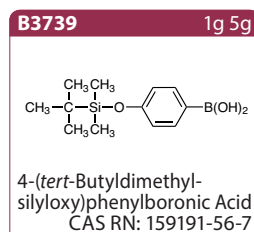
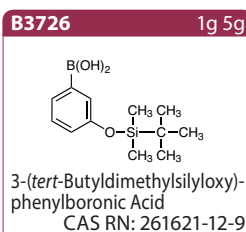
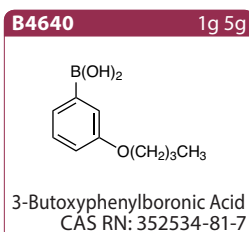
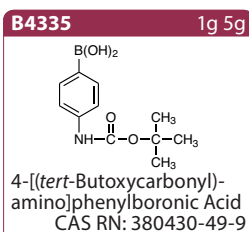
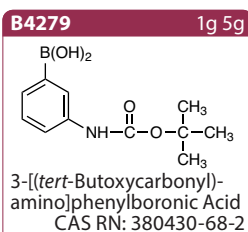
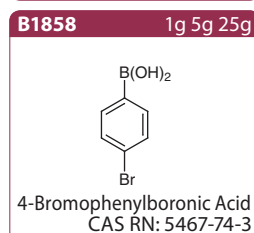
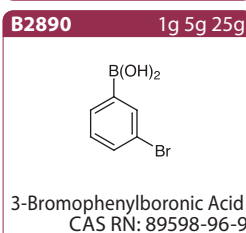
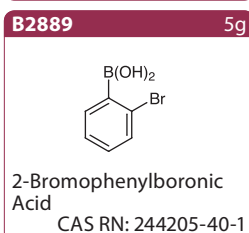
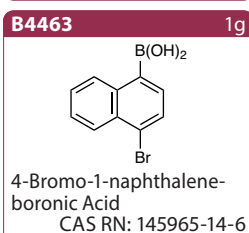
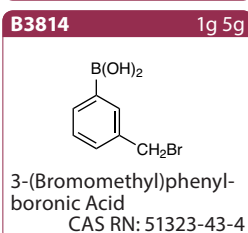
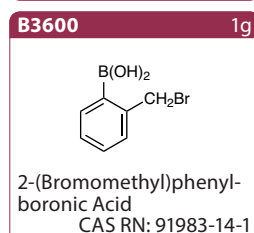
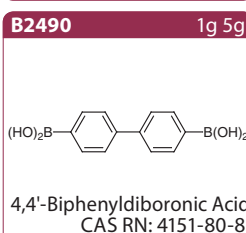
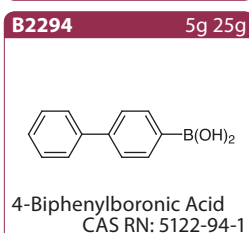
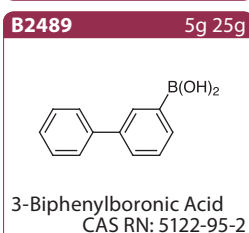
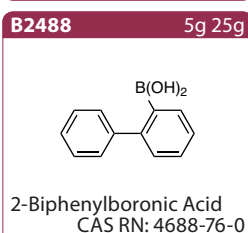
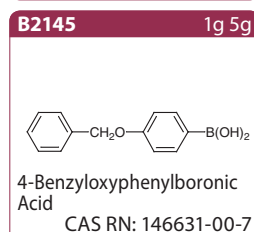
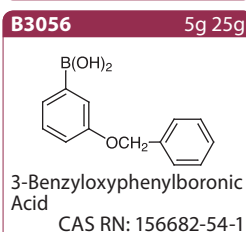
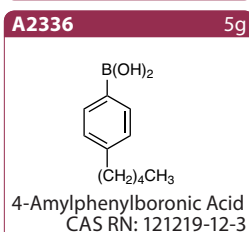
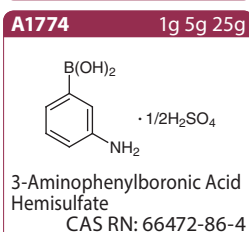
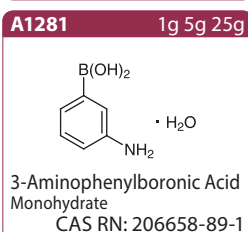
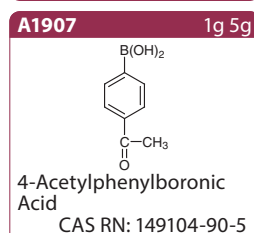
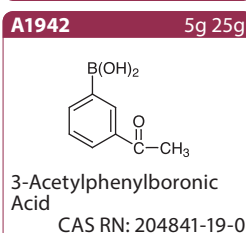
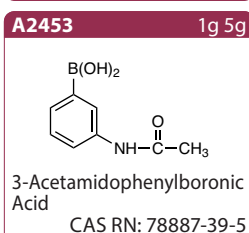
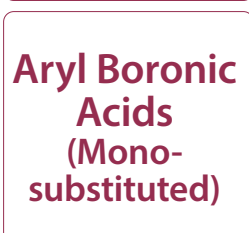
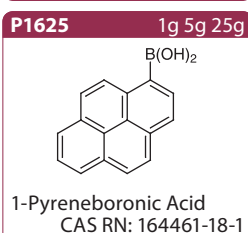
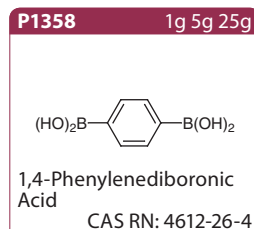
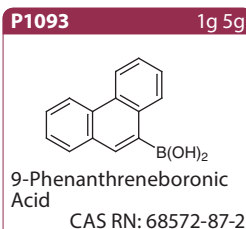
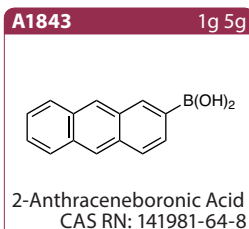
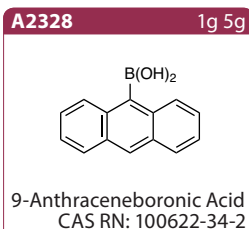
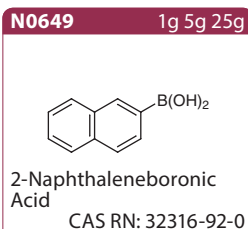
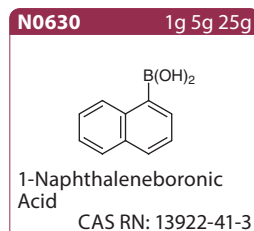
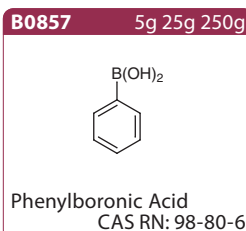
***N*-Heterocyclic Carbene Ligands** . 25

Bases, Additive Agents 26

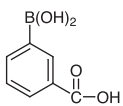
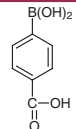
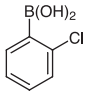
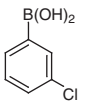
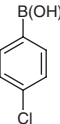
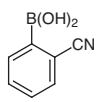
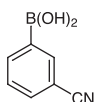
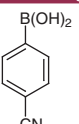
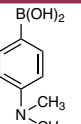
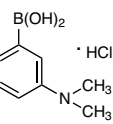
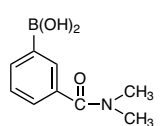
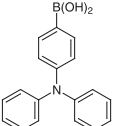
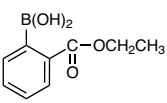
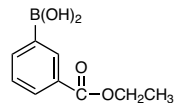
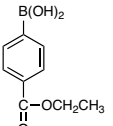
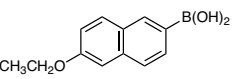
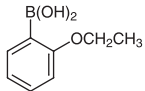
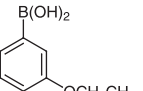
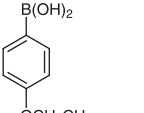
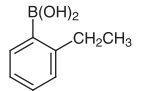
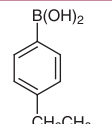
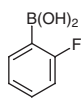
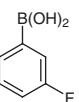
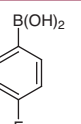
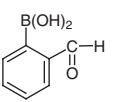
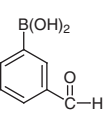
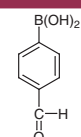
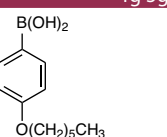
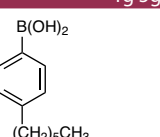
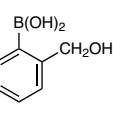
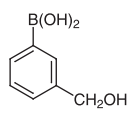
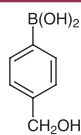
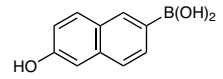
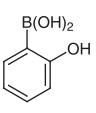
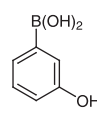
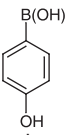
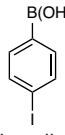
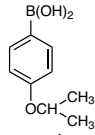
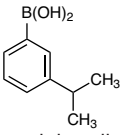
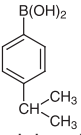
Metal Scavengers 26

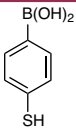
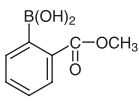
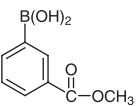
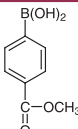
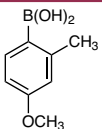
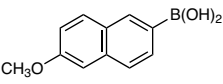
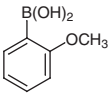
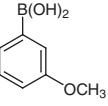
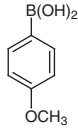
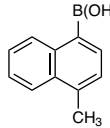
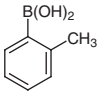
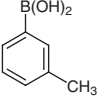
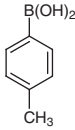
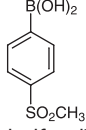
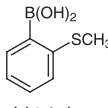
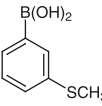
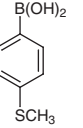
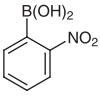
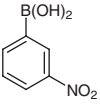
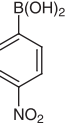
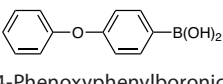
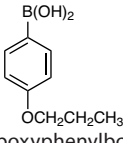
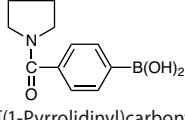
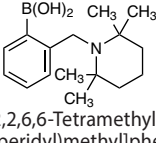
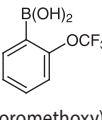
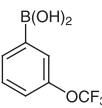
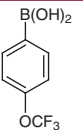
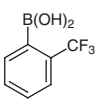
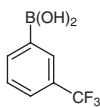
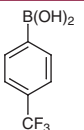
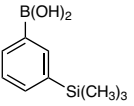
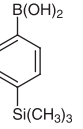
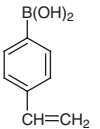
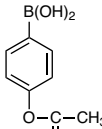
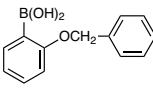
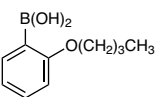
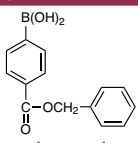
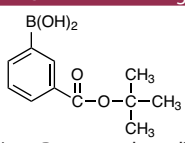
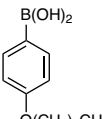
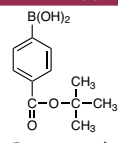
Boronic Acids

Aryl Boronic Acids (Unsubstituted)

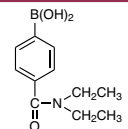
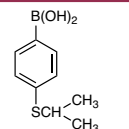
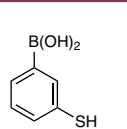
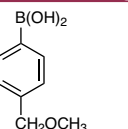
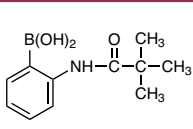
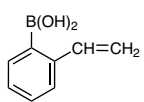
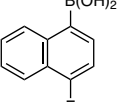
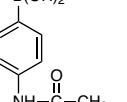
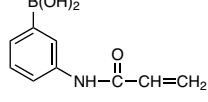
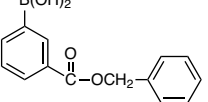
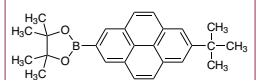
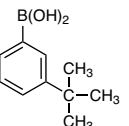
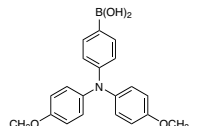
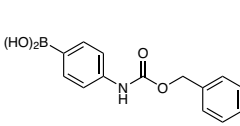
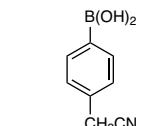
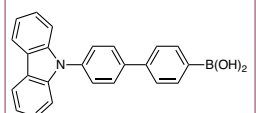
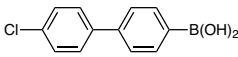
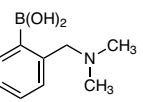
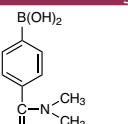
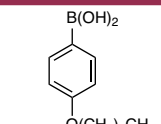
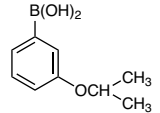
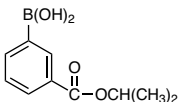
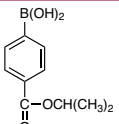
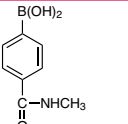
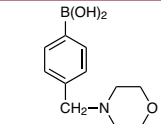
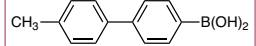
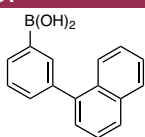
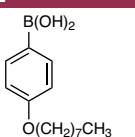
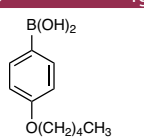
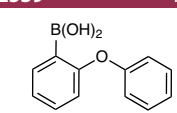
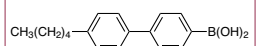
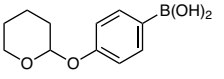
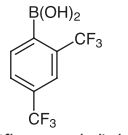
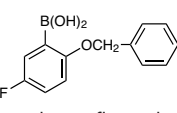
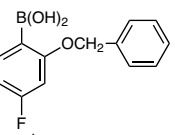
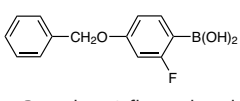
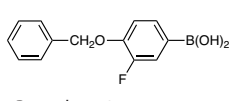


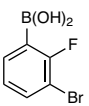
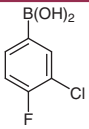
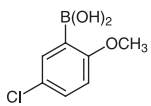
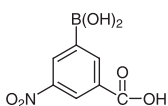
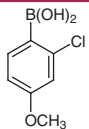
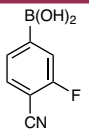
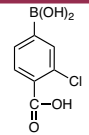
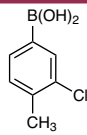
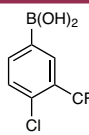
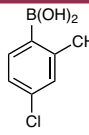
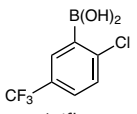
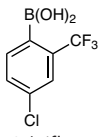
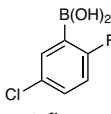
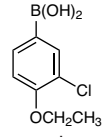
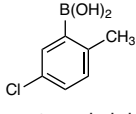
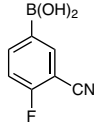
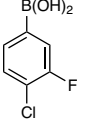
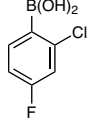
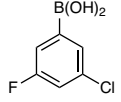
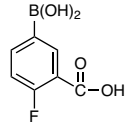
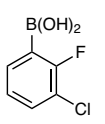
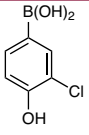
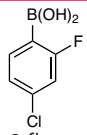
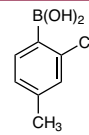
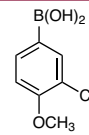
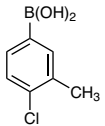
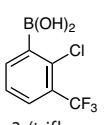
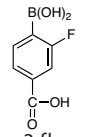
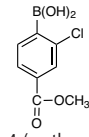
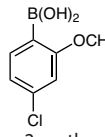
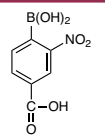
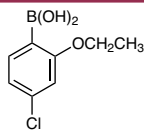
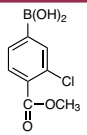
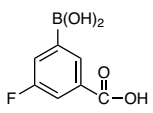
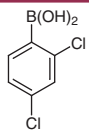
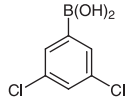
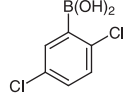
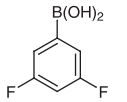
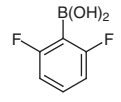
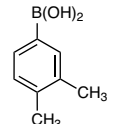
Suzuki-Miyaura Cross Coupling Reaction

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C2416 1g 5g  2-Cyanophenylboronic Acid CAS RN: 138642-62-3	C2031 5g 25g  3-Cyanophenylboronic Acid CAS RN: 150255-96-2	C1778 1g 5g 25g  4-Cyanophenylboronic Acid CAS RN: 126747-14-6	D4428 1g 5g  4-(Dimethylamino)phenylboronic Acid CAS RN: 28611-39-4	D4013 1g 5g  3-(Dimethylamino)phenylboronic Acid Hydrochloride CAS RN: 1256355-23-3
D4194 1g 5g  3-(Dimethylcarbamoyl)phenylboronic Acid CAS RN: 373384-14-6	D3537 1g 5g  4-(Diphenylamino)phenylboronic Acid CAS RN: 201802-67-7	E0877 1g 5g  2-(Ethoxycarbonyl)phenylboronic Acid CAS RN: 380430-53-5	E0848 1g 5g  3-(Ethoxycarbonyl)phenylboronic Acid CAS RN: 4334-87-6	E0868 1g 5g  4-(Ethoxycarbonyl)phenylboronic Acid CAS RN: 4334-88-7
E1107 1g 5g  6-Ethoxy-2-naphthaleneboronic Acid CAS RN: 352525-98-5	E0723 1g 5g  2-Ethoxyphenylboronic Acid CAS RN: 213211-69-9	E0724 1g 5g  3-Ethoxyphenylboronic Acid CAS RN: 90555-66-1	E0725 1g 5g  4-Ethoxyphenylboronic Acid CAS RN: 22237-13-4	E0818 1g 5g  2-Ethylphenylboronic Acid CAS RN: 90002-36-1
E0720 5g 25g  4-Ethylphenylboronic Acid CAS RN: 63139-21-9	F0407 1g 5g 25g  2-Fluorophenylboronic Acid CAS RN: 1993-03-9	F0404 5g 25g  3-Fluorophenylboronic Acid CAS RN: 768-35-4	F0361 5g 25g  4-Fluorophenylboronic Acid CAS RN: 1765-93-1	B1873 1g 5g  2-Formylphenylboronic Acid CAS RN: 40138-16-7
F0445 1g 5g 25g  3-Formylphenylboronic Acid CAS RN: 87199-16-4	F0446 1g 5g  4-Formylphenylboronic Acid CAS RN: 87199-17-5	H1357 1g 5g  4-Hexyloxyphenylboronic Acid CAS RN: 121219-08-7	H1489 1g 5g  4-Hexylphenylboronic Acid CAS RN: 105365-50-2	H1345 1g 5g  2-(Hydroxymethyl)phenylboronic Acid CAS RN: 87199-14-2
H1244 1g 5g  3-(Hydroxymethyl)phenylboronic Acid CAS RN: 87199-15-3	H1204 1g 5g 25g  4-(Hydroxymethyl)phenylboronic Acid CAS RN: 59016-93-2	H1402 1g 5g  6-Hydroxy-2-naphthaleneboronic Acid CAS RN: 173194-95-1	H1184 1g 5g  2-Hydroxyphenylboronic Acid CAS RN: 89466-08-0	H1185 1g 5g  3-Hydroxyphenylboronic Acid CAS RN: 87199-18-6
H1228 1g 5g  4-Hydroxyphenylboronic Acid CAS RN: 71597-85-8	I0830 5g  4-Iodophenylboronic Acid CAS RN: 5122-99-6	I0806 5g  4-Isopropoxyphenylboronic Acid CAS RN: 153624-46-5	I0887 1g 5g  3-Isopropylphenylboronic Acid CAS RN: 216019-28-2	I0620 1g 5g  4-Isopropylphenylboronic Acid CAS RN: 16152-51-5

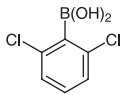
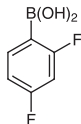
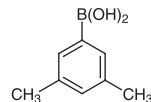
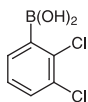
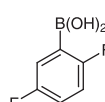
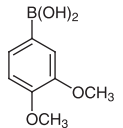
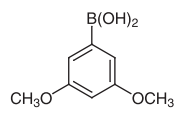
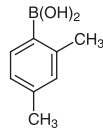
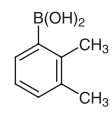
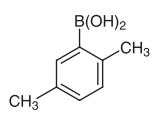
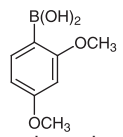
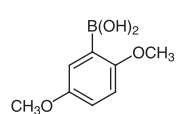
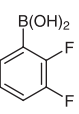
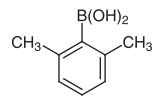
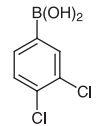
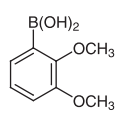
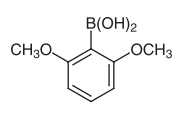
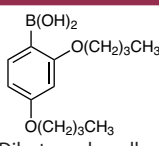
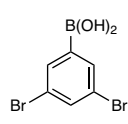
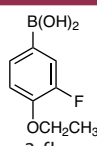
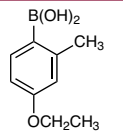
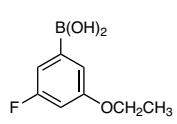
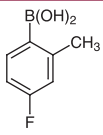
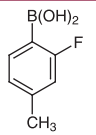
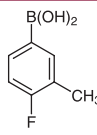
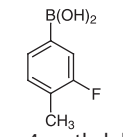
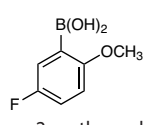
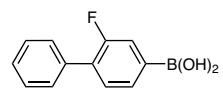
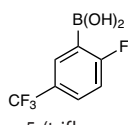
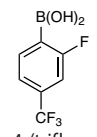
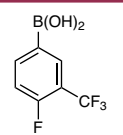
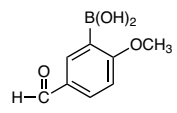
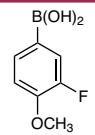
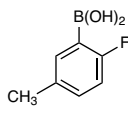
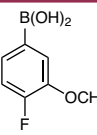
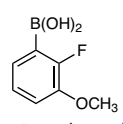
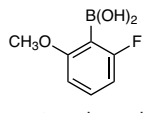
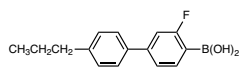
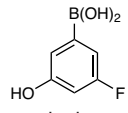
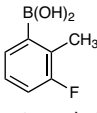
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M2256 5g  6-Methoxy-2-naphthaleneboronic Acid CAS RN: 156641-98-4	M1261 1g 5g 25g  2-Methoxyphenylboronic Acid CAS RN: 5720-06-9	M1322 1g 5g 25g  3-Methoxyphenylboronic Acid CAS RN: 10365-98-7	M1252 5g 25g  4-Methoxyphenylboronic Acid CAS RN: 5720-07-0	M2457 1g 5g  4-Methyl-1-naphthaleneboronic Acid CAS RN: 103986-53-4
M1313 5g 25g  2-Methylphenylboronic Acid CAS RN: 16419-60-6	M1314 1g 5g 25g  3-Methylphenylboronic Acid CAS RN: 17933-03-8	M1126 5g 25g  4-Methylphenylboronic Acid CAS RN: 5720-05-8	M1972 1g 5g  4-(Methylsulfonyl)phenylboronic Acid CAS RN: 149104-88-1	M1570 1g 5g  2-(Methylthio)phenylboronic Acid CAS RN: 168618-42-6
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P1974 5g 25g  4-Phenoxyphenylboronic Acid CAS RN: 51067-38-0	P1968 5g  4-Propoxyphenylboronic Acid CAS RN: 186497-67-6	P2105 1g 5g  4-[(1-Pyrrolidinyl)carbonyl]phenylboronic Acid CAS RN: 389621-81-2	T2908 1g  2-[(2,2,6,6-Tetramethyl-1-piperidyl)methyl]phenylboronic Acid CAS RN: 815581-79-4	T2413 1g 5g  2-(Trifluoromethoxy)phenylboronic Acid CAS RN: 175676-65-0
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T2663 1g 5g  3-(Trimethylsilyl)phenylboronic Acid CAS RN: 177171-16-3	T2664 1g 5g  4-(Trimethylsilyl)phenylboronic Acid CAS RN: 17865-11-1	V0075 1g 5g  4-Vinylphenylboronic Acid CAS RN: 2156-04-9	A2818 200mg 1g  4-Acetoxyphenylboronic Acid CAS RN: 177490-82-3	B4590 1g 5g  2-Benzyloxyphenylboronic Acid CAS RN: 190661-29-1
B4700 1g  2-Butoxyphenylboronic Acid CAS RN: 91129-69-0	B4725 1g 5g  4-(Benzyloxycarbonyl)phenylboronic Acid CAS RN: 184000-11-1	B4726 1g 5g  3-(tert-Butoxycarbonyl)phenylboronic Acid CAS RN: 220210-56-0	B4727 1g 5g  4-Butoxyphenylboronic Acid CAS RN: 105365-51-3	B4772 200mg 1g 5g  4-(tert-Butoxycarbonyl)phenylboronic Acid CAS RN: 850568-54-6

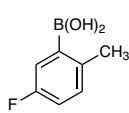
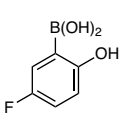
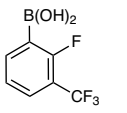
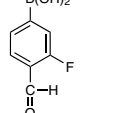
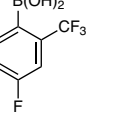
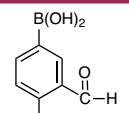
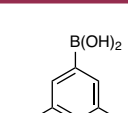
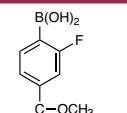
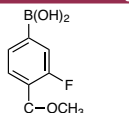
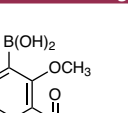
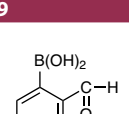
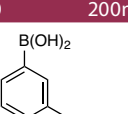
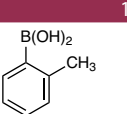
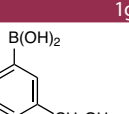
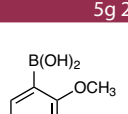
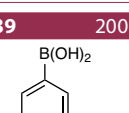
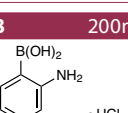
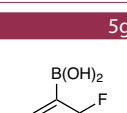
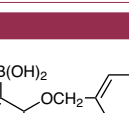
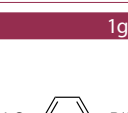
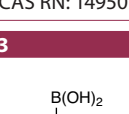
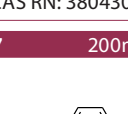
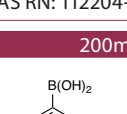
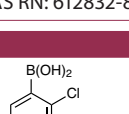
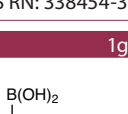
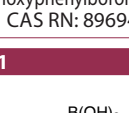
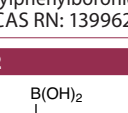
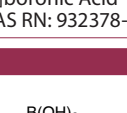
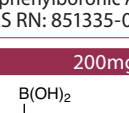
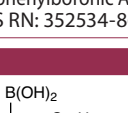
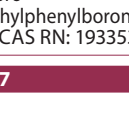
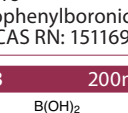
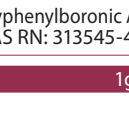
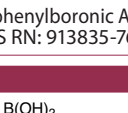
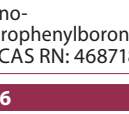
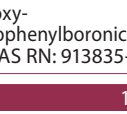
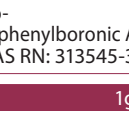
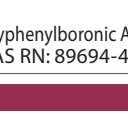
Suzuki-Miyaura Cross Coupling Reaction

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V0140 1g 5g  2-Vinylphenylboronic Acid CAS RN: 15016-42-9	F1080 200mg 1g  4-Fluoro-1-naphthaleneboronic Acid CAS RN: 182344-25-8	A3140 1g  4-Acetamidophenylboronic Acid CAS RN: 101251-09-6	A3199 1g 5g  3-Acrylamidophenylboronic Acid CAS RN: 99349-68-5	B5172 1g  3-Carbobenzyloxybenzeneboronic Acid CAS RN: 380430-52-4
B5489 1g 5g  [7-(<i>tert</i> -Butyl)pyren-2-yl]boronic Acid Pinacol Ester CAS RN: 1270030-08-4	B6001 1g 5g  3- <i>tert</i> -Butylphenylboronic Acid CAS RN: 560132-24-3	B6005 1g  [4-Bis(4-methoxyphenyl)amino]phenylboronic Acid CAS RN: 201802-29-1	B6070 1g  4-(Cbz-amino)benzeneboronic Acid CAS RN: 192804-36-7	C3231 1g 5g  4-(Cyanomethyl)phenylboronic Acid CAS RN: 91983-26-5
C3353 200mg 1g  [4'-(Carbazol-9-yl)-4-biphenyl]boronic Acid CAS RN: 858131-73-4	C3614 1g 5g  4'-Chloro-4-biphenylboronic Acid CAS RN: 364044-44-0	D5165 1g  2-(Dimethylaminomethyl)phenylboronic Acid CAS RN: 85107-53-5	D5226 1g 5g  4-(Dimethylcarbamoyl)phenylboronic Acid CAS RN: 405520-68-5	H1566 1g 5g  4-Heptyloxyphenylboronic Acid CAS RN: 136370-19-9
I0984 1g 5g  3-Isopropoxyphenylboronic Acid CAS RN: 216485-86-8	I1000 1g  3-(Isopropoxycarbonyl)phenylboronic Acid CAS RN: 342002-80-6	I1001 1g  4-(Isopropoxycarbonyl)phenylboronic Acid CAS RN: 342002-82-8	M3056 1g 5g  4-(Methylcarbamoyl)phenylboronic Acid CAS RN: 121177-82-0	M3128 1g 5g  4-(Morpholinomethyl)phenylboronic Acid CAS RN: 279262-23-6
M3235 1g 5g  4'-Methyl-4-biphenylboronic Acid CAS RN: 393870-04-7	N1131 1g 5g  3-(1-Naphthyl)phenylboronic Acid CAS RN: 881913-20-8	O0462 1g  4- <i>n</i> -Octyloxyphenylboronic Acid CAS RN: 121554-09-4	P2358 1g 5g  4-Pentyloxyphenylboronic Acid CAS RN: 146449-90-3	P2539 1g 5g  2-Phenoxyphenylboronic Acid CAS RN: 108238-09-1
P2717 1g 5g  4'-Pentyl-4-biphenylboronic Acid CAS RN: 121554-18-5	T3325 5g 25g  4-(Tetrahydro-2H-pyran-2-yloxy)phenylboronic Acid CAS RN: 182281-01-2	Aryl Boronic Acids (Disubstituted)		
B3022 1g 5g  2,4-Bis(trifluoromethyl)phenylboronic Acid CAS RN: 153254-09-2	B3683 1g 5g  2-Benzyloxy-5-fluorophenylboronic Acid CAS RN: 779331-47-4	B3779 1g 5g  2-Benzyloxy-4-fluorophenylboronic Acid CAS RN: 848779-87-3	B4638 200mg 1g  4-Benzyloxy-2-fluorophenylboronic Acid CAS RN: 166744-78-1	B4639 1g 5g  4-Benzyloxy-3-fluorophenylboronic Acid CAS RN: 133057-83-7

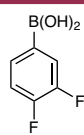
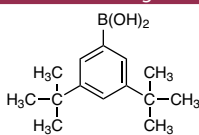
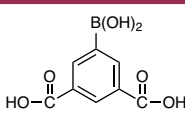
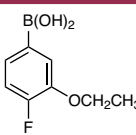
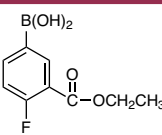
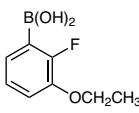
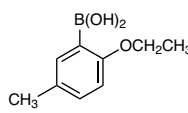
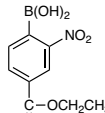
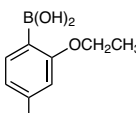
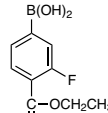
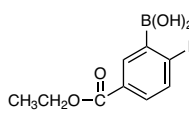
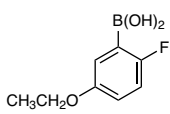
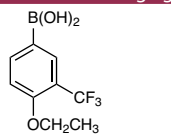
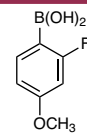
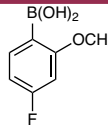
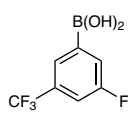
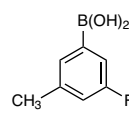
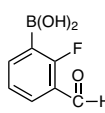
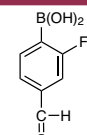
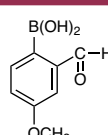
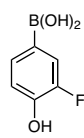
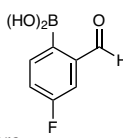
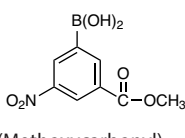
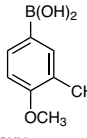
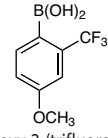
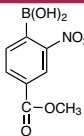
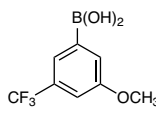
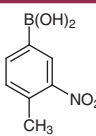
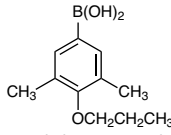
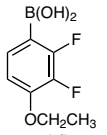
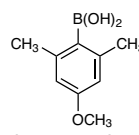
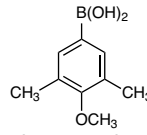
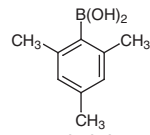
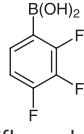
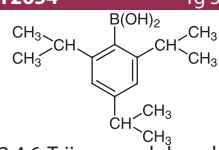
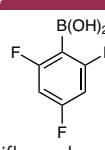
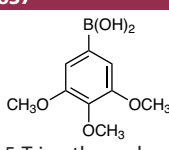
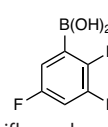
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C2456 1g 5g  4-Cyano-3-fluorophenylboronic Acid CAS RN: 843663-18-3	C2523 1g 5g  4-Carboxy-3-chlorophenylboronic Acid CAS RN: 136496-72-5	C2525 1g 5g  3-Chloro-4-methylphenylboronic Acid CAS RN: 175883-63-3	C2571 1g 5g  4-Chloro-3-(trifluoromethyl)phenylboronic Acid CAS RN: 176976-42-4	C2577 1g 5g  4-Chloro-2-methylphenylboronic Acid CAS RN: 209919-30-2
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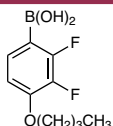
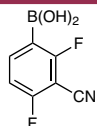
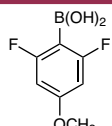
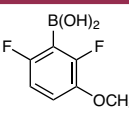
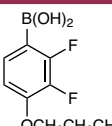
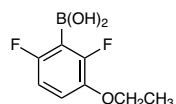
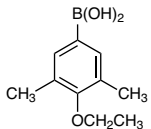
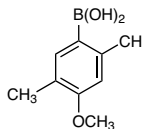
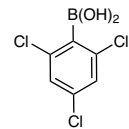
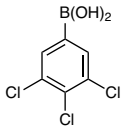
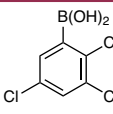
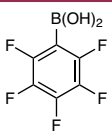
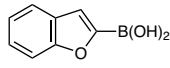
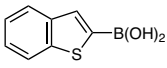
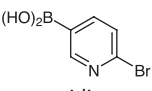
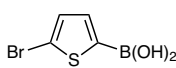
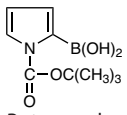
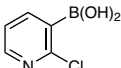
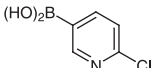
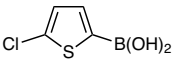
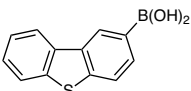
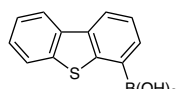
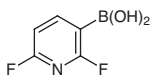
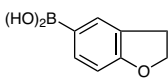
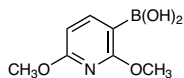
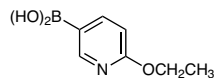
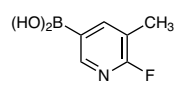
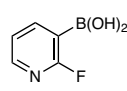
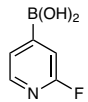
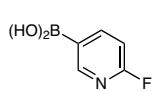
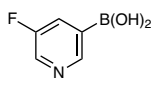
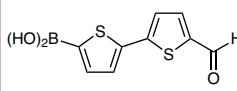
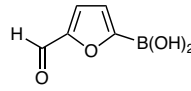
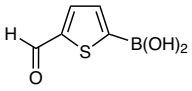
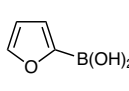
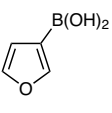
Suzuki-Miyaura Cross Coupling Reaction

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D3512 5g 25g  3,4-Dimethoxyphenylboronic Acid CAS RN: 122775-35-3	D3513 1g 5g 25g  3,5-Dimethoxyphenylboronic Acid CAS RN: 192182-54-0	D3514 1g 5g  2,4-Dimethylphenylboronic Acid CAS RN: 55499-44-0	D3516 5g  2,3-Dimethylphenylboronic Acid CAS RN: 183158-34-1	D3517 1g 5g 25g  2,5-Dimethylphenylboronic Acid CAS RN: 85199-06-0
D3521 1g 5g  2,4-Dimethoxyphenylboronic Acid CAS RN: 133730-34-4	D3522 1g 5g  2,5-Dimethoxyphenylboronic Acid CAS RN: 107099-99-0	D3523 5g 25g  2,3-Difluorophenylboronic Acid CAS RN: 121219-16-7	D3633 1g 5g  2,6-Dimethylphenylboronic Acid CAS RN: 100379-00-8	D3783 5g 25g  3,4-Dichlorophenylboronic Acid CAS RN: 151169-75-4
D3853 1g 5g  2,3-Dimethoxyphenylboronic Acid CAS RN: 40972-86-9	D3861 5g 25g  2,6-Dimethoxyphenylboronic Acid CAS RN: 23112-96-1	D4263 1g 5g  2,4-Dibutoxyphenylboronic Acid CAS RN: 870778-89-5	D4670 5g 25g  3,5-Dibromophenylboronic Acid CAS RN: 117695-55-3	E1124 1g 5g  4-Ethoxy-3-fluorophenylboronic Acid CAS RN: 279263-10-4
E1173 1g 5g  4-Ethoxy-2-methylphenylboronic Acid CAS RN: 313545-31-2	E1205 200mg 1g  3-Ethoxy-5-fluorophenylboronic Acid CAS RN: 850589-53-6	F0666 1g 5g  4-Fluoro-2-methylphenylboronic Acid CAS RN: 139911-29-8	F0683 1g 5g  2-Fluoro-4-methylphenylboronic Acid CAS RN: 170981-26-7	F0697 5g 25g  4-Fluoro-3-methylphenylboronic Acid CAS RN: 139911-27-6
F0712 1g 5g  3-Fluoro-4-methylphenylboronic Acid CAS RN: 168267-99-0	F0775 5g 25g  5-Fluoro-2-methoxyphenylboronic Acid CAS RN: 179897-94-0	F0785 1g 5g  2-Fluoro-4-biphenylboronic Acid CAS RN: 178305-99-2	F0788 1g 5g  2-Fluoro-5-(trifluoromethyl)phenylboronic Acid CAS RN: 352535-96-7	F0816 1g 5g  2-Fluoro-4-(trifluoromethyl)phenylboronic Acid CAS RN: 503309-11-3
F0830 1g 5g  4-Fluoro-3-(trifluoromethyl)phenylboronic Acid CAS RN: 182344-23-6	F0834 1g 5g  5-Formyl-2-methoxyphenylboronic Acid CAS RN: 127972-02-5	F0876 1g 5g  3-Fluoro-4-methoxyphenylboronic Acid CAS RN: 149507-26-6	F0915 1g 5g  2-Fluoro-5-methylphenylboronic Acid CAS RN: 166328-16-1	F0919 1g 5g  4-Fluoro-3-methoxyphenylboronic Acid CAS RN: 854778-31-7
F0940 1g 5g  2-Fluoro-3-methoxyphenylboronic Acid CAS RN: 352303-67-4	F0941 1g 5g  2-Fluoro-6-methoxyphenylboronic Acid CAS RN: 78495-63-3	F0942 1g 5g  3-Fluoro-4'-propyl-4-biphenylboronic Acid CAS RN: 909709-42-8	F0954 1g  3-Fluoro-5-hydroxyphenylboronic Acid CAS RN: 871329-82-7	F0955 1g  3-Fluoro-2-methylphenylboronic Acid CAS RN: 163517-61-1

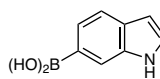
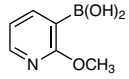
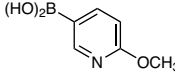
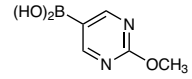
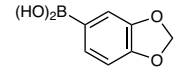
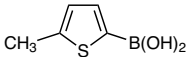
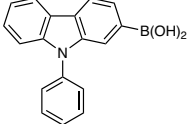
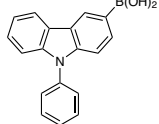
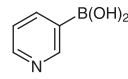
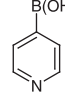
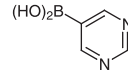
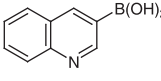
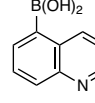
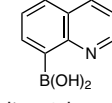
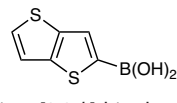
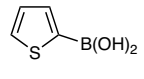
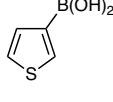
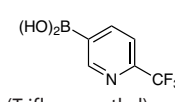
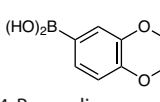
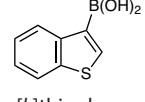
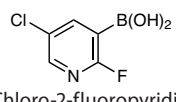
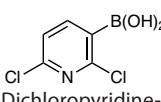
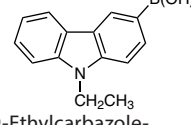
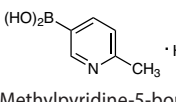
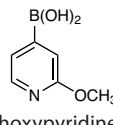
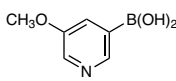
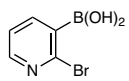
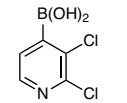
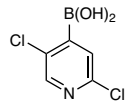
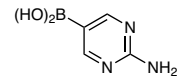
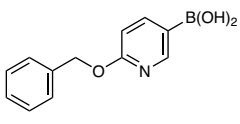
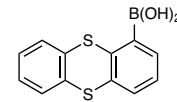
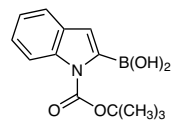
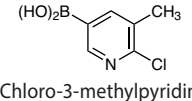
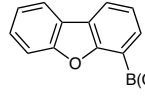
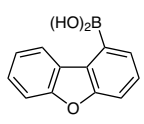
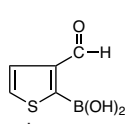
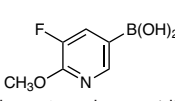
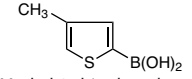
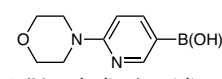
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F1061 1g 5g  4-Fluoro-3-formylphenylboronic Acid CAS RN: 374538-01-9	F1063 1g 5g  3-Fluoro-5-methoxyphenylboronic Acid CAS RN: 609807-25-2	F1071 1g 5g  2-Fluoro-4-(methoxycarbonyl)phenylboronic Acid CAS RN: 603122-84-5	F1087 1g 5g  3-Fluoro-4-(methoxycarbonyl)phenylboronic Acid CAS RN: 505083-04-5	F1088 1g 5g  3-Formyl-2-methoxyphenylboronic Acid CAS RN: 480424-49-5
F1089 1g 5g  3-Fluoro-2-formylphenylboronic Acid CAS RN: 871126-15-7	F1090 200mg 1g  4-Fluoro-3-(hydroxymethyl)phenylboronic Acid CAS RN: 481681-02-1	H1495 1g 5g  4-Hydroxy-2-methylphenylboronic Acid CAS RN: 493035-82-8	H1563 1g 5g  3-(Hydroxymethyl)-4-methoxyphenylboronic Acid CAS RN: 908142-03-0	M2311 5g 25g  2-Methoxy-5-methylphenylboronic Acid CAS RN: 127972-00-3
M2839 200mg 1g  4-Methoxy-3-(trifluoromethyl)phenylboronic Acid CAS RN: 149507-36-8	A3028 200mg 1g  2-Amino-4-(methoxycarbonyl)phenylboronic Acid Hydrochloride CAS RN: 380430-55-7	B5065 5g 25g  5-Bromo-2-fluorophenylboronic Acid CAS RN: 112204-57-6	B5076 1g  2-Benzyloxy-5-chlorophenylboronic Acid CAS RN: 612832-83-4	B5169 1g 5g  4-Benzyloxy-3-methylphenylboronic Acid CAS RN: 338454-30-1
B5173 1g 5g  5-Bromo-2-methoxyphenylboronic Acid CAS RN: 89694-45-1	B5257 200mg 1g  4-Benzyloxy-2-formylphenylboronic Acid CAS RN: 139962-97-3	B6032 200mg 1g  [3,5-Bis(ethoxycarbonyl)phenyl]boronic Acid CAS RN: 932378-94-4	C2916 1g  4-Carboxy-2-chlorophenylboronic Acid CAS RN: 851335-09-6	C3210 1g 5g  5-Chloro-2-ethoxyphenylboronic Acid CAS RN: 352534-86-2
C3211 1g 5g  2-Chloro-5-methylphenylboronic Acid CAS RN: 193353-35-4	C3212 1g 5g  4-Chloro-3-nitrophenylboronic Acid CAS RN: 151169-67-4	C3214 1g  3-Cyano-2-fluorophenylboronic Acid CAS RN: 957121-05-0	C3222 200mg 1g  2-Chloro-4-ethoxyphenylboronic Acid CAS RN: 313545-44-7	C3223 1g  4-Chloro-2-formylphenylboronic Acid CAS RN: 913835-76-4
C3227 1g 5g  5-Cyano-2-fluorophenylboronic Acid CAS RN: 468718-30-1	C3233 200mg 1g  4-Carboxy-3-nitrophenylboronic Acid CAS RN: 80500-28-3	C3246 1g 5g  5-Carboxy-2-chlorophenylboronic Acid CAS RN: 913835-75-3	C3247 1g 5g  2-Chloro-6-fluorophenylboronic Acid CAS RN: 313545-32-3	C3253 1g  4-Chloro-3-methoxyphenylboronic Acid CAS RN: 89694-47-3
C3266 1g  3-Chloro-5-cyanophenylboronic Acid CAS RN: 915763-60-9	C3320 200mg 1g  4-Chloro-3-(methoxycarbonyl)phenylboronic Acid CAS RN: 874219-45-1	C3361 1g 5g  2-Chloro-6-methoxyphenylboronic Acid CAS RN: 385370-80-9	C3432 1g 5g  2-Chloro-5-methoxyphenylboronic Acid CAS RN: 89694-46-2	C3563 1g  (2-Chloro-3-fluorophenyl)boronic Acid CAS RN: 871329-52-1

Suzuki-Miyaura Cross Coupling Reaction

D3350 5g 25g  3,4-Difluorophenylboronic Acid CAS RN: 168267-41-2	D5072 200mg 500mg  3,5-Di-tert-butylphenylboronic Acid CAS RN: 197223-39-5	D5073 1g  3,5-Dicarboxyphenylboronic Acid CAS RN: 881302-73-4	E1183 1g  3,5-Dicarboxyphenylboronic Acid CAS RN: 900174-65-4	E1187 1g 5g  3-(Ethoxycarbonyl)-4-fluorophenylboronic Acid CAS RN: 874219-36-0		
E1188 1g  3-Ethoxy-2-fluorophenylboronic Acid CAS RN: 855230-61-4	E1189 1g 5g  2-Ethoxy-5-methylphenylboronic Acid CAS RN: 123291-97-4	E1203 1g  4-Ethoxycarbonyl-2-nitrophenylboronic Acid CAS RN: 5785-70-6	E1204 1g 5g  4-Ethoxycarbonyl-2-nitrophenylboronic Acid CAS RN: 480438-58-2	E1207 1g 5g  4-(Ethoxycarbonyl)-3-fluorophenylboronic Acid CAS RN: 874288-38-7		
E1209 200mg 1g  5-(Ethoxycarbonyl)-2-fluorophenylboronic Acid CAS RN: 874219-60-0	E1235 1g 5g  5-Ethoxy-2-fluorophenylboronic Acid CAS RN: 900174-60-9	E1236 200mg 1g  4-Ethoxy-3-(trifluoromethyl)-phenylboronic Acid CAS RN: 871329-83-8	F1048 1g 5g  2-Fluoro-4-methoxyphenylboronic Acid CAS RN: 162101-31-7	F1062 1g 5g  4-Fluoro-2-methoxyphenylboronic Acid CAS RN: 179899-07-1		
F1064 1g  3-Fluoro-5-(trifluoromethyl)-phenylboronic Acid CAS RN: 159020-59-4	F1068 1g 5g  3-Fluoro-5-methylphenylboronic Acid CAS RN: 850593-06-5	F1078 1g  2-Fluoro-3-formylphenylboronic Acid CAS RN: 849061-98-9	F1079 1g  2-Fluoro-4-formylphenylboronic Acid CAS RN: 871126-22-6	F1108 1g 5g  2-Formyl-4-methoxyphenylboronic Acid CAS RN: 139962-95-1		
F1132 1g 5g  3-Fluoro-4-hydroxyphenylboronic Acid CAS RN: 182344-14-5	F1260 1g 5g  4-Fluoro-2-formylphenylboronic Acid CAS RN: 825644-26-6	M2808 1g 5g  3-(Methoxycarbonyl)-5-nitrophenylboronic Acid CAS RN: 117342-20-8	M2809 1g 5g  4-Methoxy-3-methylphenylboronic Acid CAS RN: 175883-62-2	M2853 1g  4-Methoxy-2-(trifluoromethyl)-phenylboronic Acid CAS RN: 313546-16-6		
M2854 1g 5g  4-(Methoxycarbonyl)-2-nitrophenylboronic Acid CAS RN: 85107-55-7	M2943 1g 5g  3-Methoxy-5-(trifluoromethyl)-phenylboronic Acid CAS RN: 871332-97-7	M1127 1g 5g  4-Methyl-3-nitrophenylboronic Acid CAS RN: 80500-27-2	Aryl Boronic Acids (Tri-substituted)			
D5080 1g 5g  3,5-Dimethyl-4-propoxyphenylboronic Acid CAS RN: 357611-51-9	E1192 1g 5g  4-Ethoxy-2,3-difluorophenylboronic Acid CAS RN: 212386-71-5	M2244 1g 5g  4-Methoxy-2,6-dimethylphenylboronic Acid CAS RN: 361543-99-9				
M2685 1g 5g  4-Methoxy-3,5-dimethylphenylboronic Acid CAS RN: 301699-39-8	T1960 1g 5g  2,4,6-Trimethylphenylboronic Acid CAS RN: 5980-97-2	T2574 5g  2,3,4-Trifluorophenylboronic Acid CAS RN: 226396-32-3	T2654 1g 5g  2,4,6-Triisopropylphenylboronic Acid CAS RN: 154549-38-9	T2804 1g 5g  2,4,6-Trifluorophenylboronic Acid CAS RN: 182482-25-3	T2837 1g  3,4,5-Trimethoxyphenylboronic Acid CAS RN: 182163-96-8	T2874 5g  2,3,5-Trifluorophenylboronic Acid CAS RN: 247564-73-4

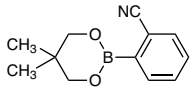
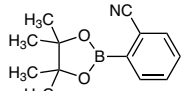
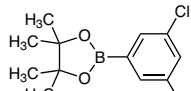
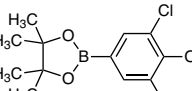
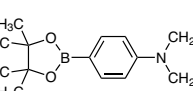
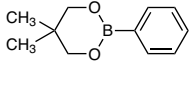
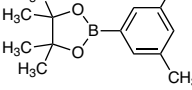
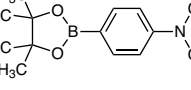
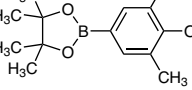
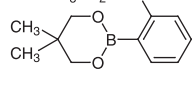
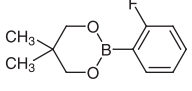
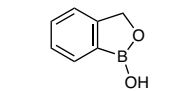
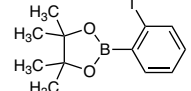
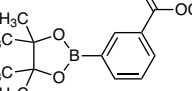
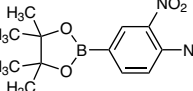
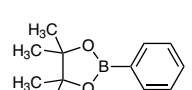
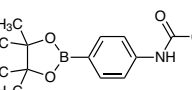
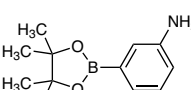
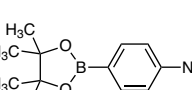
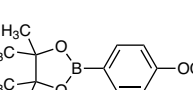
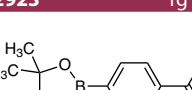
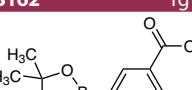
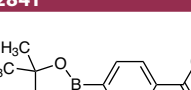
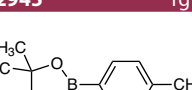
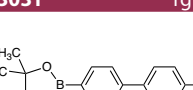
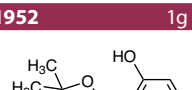
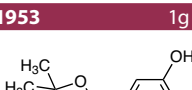
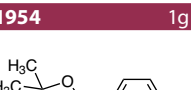
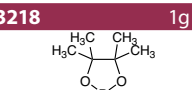
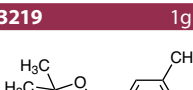
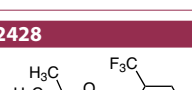
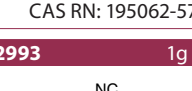
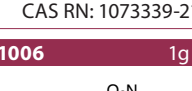
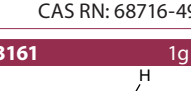
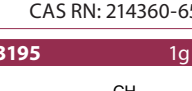
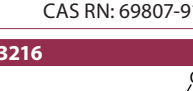
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E1210 1g 5g  3-Ethoxy-2,6-difluorophenylboronic Acid CAS RN: 849062-00-6	E1216 1g 5g  4-Ethoxy-3,5-dimethylphenylboronic Acid CAS RN: 850568-59-1	M2838 1g  4-Methoxy-2,5-dimethylphenylboronic Acid CAS RN: 246023-54-1	T3382 1g  2,4,6-Trichlorophenylboronic Acid CAS RN: 73852-18-3	T3383 1g 5g  3,4,5-Trichlorophenylboronic Acid CAS RN: 862248-93-9	
T3851 1g 5g  2,3,5-Trichlorophenylboronic Acid CAS RN: 212779-19-6	Aryl Boronic Acids (Penta-substituted)		P1904 1g 5g  Pentafluorophenylboronic Acid CAS RN: 1582-24-7	Heteroaryl Boronic Acids	
B2978 1g  Benzofuran-2-boronic Acid CAS RN: 98437-24-2	B2893 1g 5g 25g  Benzo[b]thiophene-2-ylboronic Acid CAS RN: 98437-23-1	B3307 1g 5g  2-Bromopyridine-5-boronic Acid CAS RN: 223463-14-7	B2862 1g 5g  5-Bromo-2-thiopheneboronic Acid CAS RN: 162607-17-2	B4063 1g 5g  1-(tert-Butoxycarbonyl)-2-pyrroleboronic Acid CAS RN: 135884-31-0	
C2560 1g 5g  2-Chloropyridine-3-boronic Acid CAS RN: 381248-04-0	C2589 1g 5g  2-Chloropyridine-4-boronic Acid CAS RN: 458532-96-2	C2288 1g 5g  2-Chloropyridine-5-boronic Acid CAS RN: 444120-91-6	C2066 1g 5g  5-Chloro-2-thiopheneboronic Acid CAS RN: 162607-18-3	D4373 1g 5g  Dibenzothiophene-2-boronic Acid CAS RN: 668983-97-9	
D4057 1g 5g  Dibenzothiophene-4-boronic Acid CAS RN: 108847-20-7	D4006 1g 5g  2,6-Difluoro-3-pyridineboronic Acid CAS RN: 136466-94-9	D4711 200mg  2,3-Dihydrobenzofuran-5-boronic Acid CAS RN: 227305-69-3	D4690 1g 5g  2,6-Dimethoxypyridine-3-boronic Acid CAS RN: 221006-70-8	E1115 1g 5g  2-Ethoxypyridine-5-boronic Acid CAS RN: 612845-44-0	
F0984 1g  2-Fluoro-3-methylpyridine-5-boronic Acid CAS RN: 904326-92-7	F0739 5g 25g  2-Fluoropyridine-3-boronic Acid CAS RN: 174669-73-9	F0935 1g 5g  2-Fluoropyridine-4-boronic Acid CAS RN: 401815-98-3	F0770 1g 5g  2-Fluoropyridine-5-boronic Acid CAS RN: 351019-18-6	F0859 1g 5g  5-Fluoropyridine-3-boronic Acid CAS RN: 872041-86-6	
F0548 1g  5'-Formyl-2,2'-bithiophene-5-boronic Acid CAS RN: 1369328-62-0	F0611 1g 5g  5-Formyl-2-furanboronic Acid CAS RN: 27329-70-0	F0549 1g 5g  5-Formyl-2-thiopheneboronic Acid CAS RN: 4347-33-5	F0394 1g 5g  2-Furylboronic Acid CAS RN: 13331-23-2	F0438 1g 5g  3-Furylboronic Acid CAS RN: 55552-70-0	

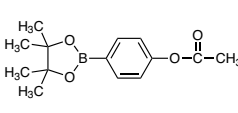
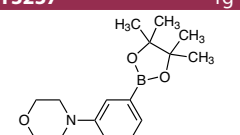
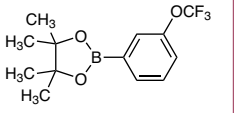
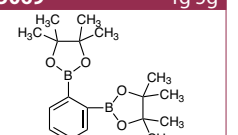
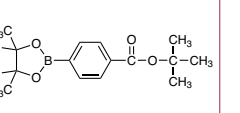
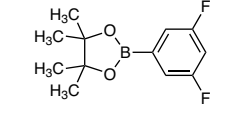
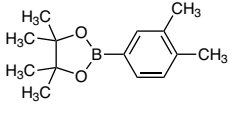
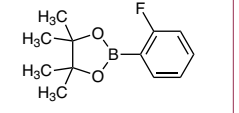
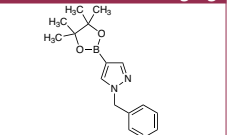
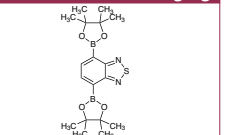
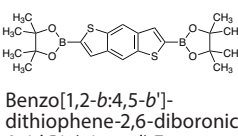
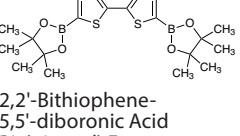
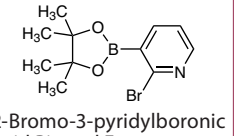
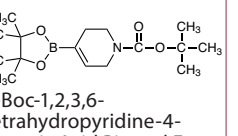
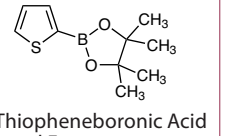
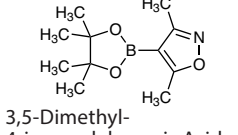
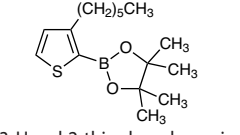
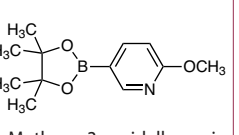
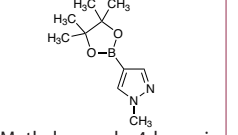
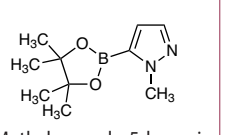
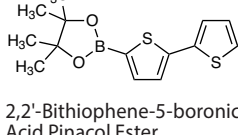
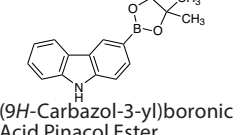
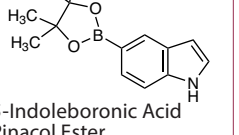
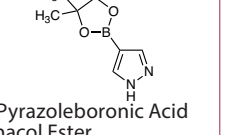
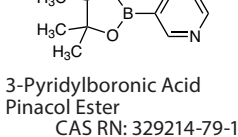
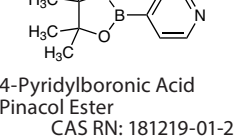
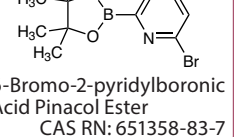
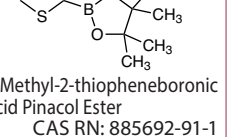
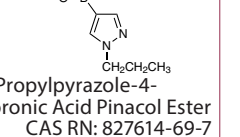
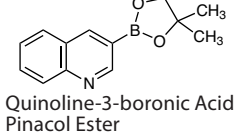
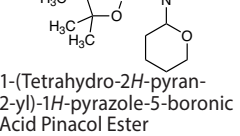
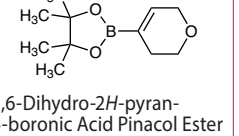
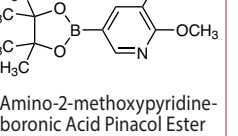
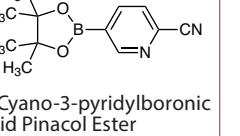
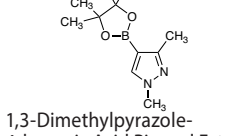
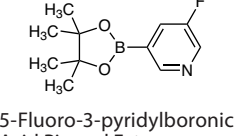
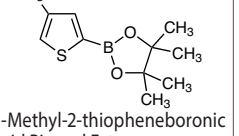
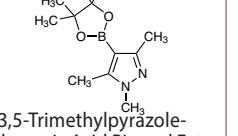
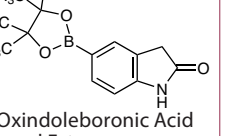
Suzuki-Miyaura Cross Coupling Reaction

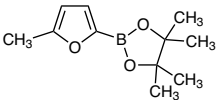
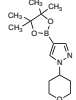
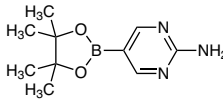
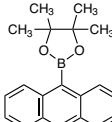
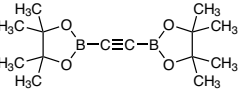
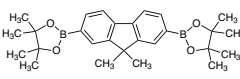
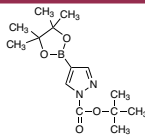
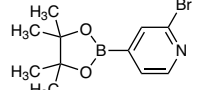
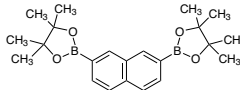
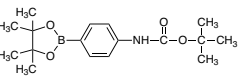
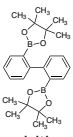
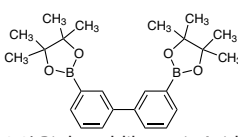
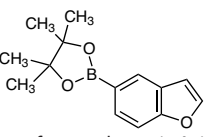
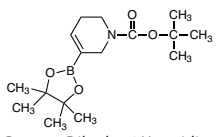
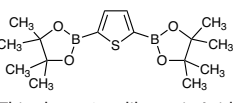
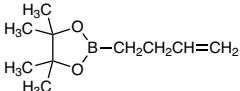
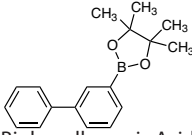
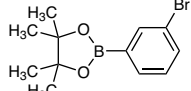
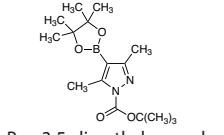
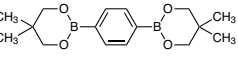
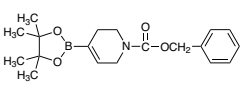
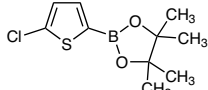
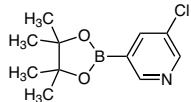
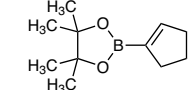
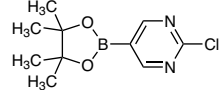
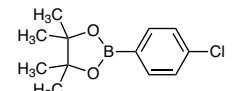
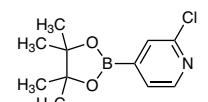
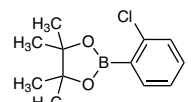
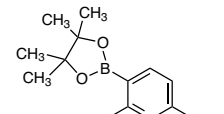
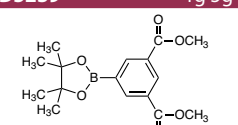
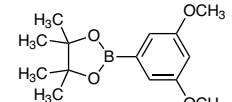
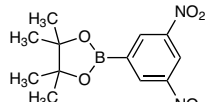
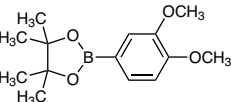
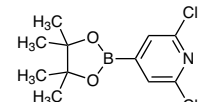
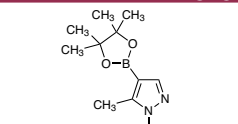
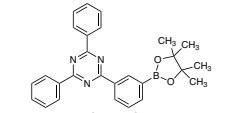
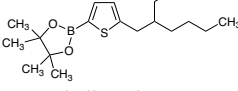
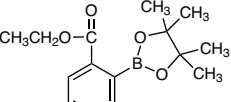
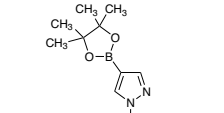
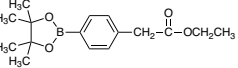
I0803 1g  6-Indoleboronic Acid CAS RN: 147621-18-9	M2159 1g 5g  2-Methoxypyridine-3-boronic Acid CAS RN: 163105-90-6	M2029 1g 5g  2-Methoxypyridine-5-boronic Acid CAS RN: 163105-89-3	M2335 1g 5g  2-Methoxy-5-pyrimidylboronic Acid CAS RN: 628692-15-9	M2035 5g 25g  3,4-(Methylenedioxy)phenylboronic Acid CAS RN: 94839-07-3
M1850 1g 5g  5-Methyl-2-thiopheneboronic Acid CAS RN: 162607-20-7	P2169 200mg 1g  9-Phenylcarbazole-2-boronic Acid CAS RN: 1001911-63-2	P2001 5g 25g  9-Phenylcarbazole-3-boronic Acid CAS RN: 854952-58-2	P1673 1g 5g 25g  3-Pyridylboronic Acid CAS RN: 1692-25-7	P1594 1g 5g  4-Pyridylboronic Acid CAS RN: 1692-15-5
P1759 100mg 1g  5-Pyrimidylboronic Acid CAS RN: 109299-78-7	Q0080 1g 5g  Quinoline-3-boronic Acid CAS RN: 191162-39-7	Q0087 200mg  Quinoline-5-boronic Acid CAS RN: 355386-94-6	Q0086 200mg 1g  Quinoline-8-boronic Acid CAS RN: 86-58-8	T2621 1g  Thieno[3,2-b]thiophene-2-boronic Acid CAS RN: 160032-40-6
T1772 1g 5g 25g  2-Thiopheneboronic Acid CAS RN: 6165-68-0	T1975 1g 5g  3-Thiopheneboronic Acid CAS RN: 6165-69-1	T3188 1g  2-(Trifluoromethyl)pyridine-5-boronic Acid CAS RN: 868662-36-6	B4181 1g  1,4-Benzodioxane-6-boronic Acid CAS RN: 164014-95-3	B4774 1g 5g  Benzo[b]thiophene-3-boronic Acid CAS RN: 113893-08-6
C3125 1g  5-Chloro-2-fluoropyridine-3-boronic Acid CAS RN: 937595-70-5	D4707 1g 5g  2,6-Dichloropyridine-3-boronic Acid CAS RN: 148493-34-9	E1153 1g 5g  9-Ethylcarbazole-3-boronic Acid CAS RN: 669072-93-9	M2253 1g 5g  2-Methylpyridine-5-boronic Acid Hydrochloride CAS RN: 2096333-73-0	M2730 1g 5g  2-Methoxypyridine-4-boronic Acid CAS RN: 762262-09-9
M2810 1g 5g  5-Methoxypyridine-3-boronic Acid CAS RN: 850991-69-4	B5170 1g 5g  2-Bromopyridine-3-boronic Acid CAS RN: 452972-08-6	D5081 1g 5g  2,3-Dichloropyridine-4-boronic Acid CAS RN: 951677-39-7	D5082 1g 5g  2,5-Dichloropyridine-4-boronic Acid CAS RN: 847664-64-6	A2900 1g  2-Aminopyrimidine-5-boronic Acid CAS RN: 936250-22-5
B5889 1g 5g  6-Benzyloxy pyridine-3-boronic Acid CAS RN: 929250-35-1	T3706 1g 5g  1-Thianthrenylboronic Acid CAS RN: 108847-76-3	B5145 1g  1-Boc-indole-2-boronic Acid CAS RN: 213318-44-6	C3588 1g 5g  2-Chloro-3-methylpyridine-5-boronic Acid CAS RN: 1003043-40-0	D4567 1g 5g  Dibenzofuran-4-boronic Acid CAS RN: 100124-06-9
D5758 1g 5g  Dibenzofuran-1-boronic Acid CAS RN: 162607-19-4	F0801 1g 5g  3-Formyl-2-thiopheneboronic Acid CAS RN: 17303-83-2	F1237 200mg 1g  3-Fluoro-2-methoxypyridine-5-boronic Acid CAS RN: 856250-60-7	M2840 1g 5g  4-Methyl-2-thiopheneboronic Acid CAS RN: 162607-15-0	M2967 1g  2-(Morpholino)pyridine-5-boronic Acid CAS RN: 904326-93-8

P2282 1g 4-(2-Phenyl-1H-benzimidazol-1-yl)phenylboronic Acid CAS RN: 867044-33-5	P2403 1g 5-(1-Propynyl)pyridine-3-boronic Acid CAS RN: 917471-30-8	P2478 1g 5g 1H-Pyrazole-4-boronic Acid CAS RN: 763120-58-7	Alkenyl Boronic Acids	C2893 1g 5g 1-Cyclopentenylboronic Acid CAS RN: 850036-28-1
F0280 100mg 1g Ferroceneboronic Acid CAS RN: 12152-94-2	F0664 1g 1,1'-Ferrocenediboronic Acid CAS RN: 32841-83-1	Alkyl Boronic Acid	M1553 1g 5g Methylboronic Acid CAS RN: 13061-96-6	E0913 1g 5g Ethylboronic Acid CAS RN: 4433-63-0
P1942 1g 5g 25g Propylboronic Acid CAS RN: 17745-45-8	I0787 5g 25g Isopropylboronic Acid CAS RN: 80041-89-0	B0529 1g 5g 25g Butylboronic Acid CAS RN: 4426-47-5	I0597 5g 25g Isobutylboronic Acid CAS RN: 84110-40-7	P2267 5g 25g Pentylboronic Acid CAS RN: 4737-50-2
H0913 1g 5g Hexylboronic Acid CAS RN: 16343-08-1	O0452 1g 5g n-Octylboronic Acid CAS RN: 28741-08-4	P2476 1g 5g 2-Phenylethylboronic Acid CAS RN: 34420-17-2	C2442 1g 5g Cyclopentylboronic Acid CAS RN: 63076-51-7	C2188 1g 5g Cyclohexylboronic Acid CAS RN: 4441-56-9
Boronate Esters				
B3199 1g 5g (Bromomethyl)boronic Acid Pinacol Ester CAS RN: 166330-03-6	C2707 1g 1-Cyclohexeneboronic Acid Pinacol Ester CAS RN: 141091-37-4	D3738 1g 5g Allylboronic Acid Diisopropyl Ester CAS RN: 51851-79-7	D3649 1g 5g (Bromomethyl)boronic Acid Diisopropyl Ester CAS RN: 137297-49-5	E1116 1g 5g Ethylboronic Acid Pinacol Ester CAS RN: 82954-89-0
M2071 5g 4-Methoxybenzylboronic Acid Pinacol Ester CAS RN: 475250-52-3	B4103 1g 5g Bis[(pinacolato)boryl]-methane CAS RN: 78782-17-9	C3101 1g 5g Cyclohexylboronic Acid Pinacol Ester CAS RN: 87100-15-0	E1074 200mg 1g Ethynylboronic Acid Pinacol Ester CAS RN: 347389-74-6	B4633 5g 25g 1,4-Benzenediboronic Acid Bis(pinacolato) Ester CAS RN: 99770-93-1
B3019 5g 4-Biphenylboronic Acid Pinacol Ester CAS RN: 1444T32-80-4	B3151 1g 4,4'-Biphenyldiboronic Acid Bis(neopentyl Glycol)-Ester CAS RN: 5487-93-4	B3501 1g 5g 1,1'-Ferrocenediboronic Acid Bis(pinacolato) Ester CAS RN: 737776-93-1	B2828 1g 5g 2-Bromophenylboronic Acid Pinacol Ester CAS RN: 269410-06-2	C2004 1g 2-Chlorophenylboronic Acid Neopentyl Glycol Ester CAS RN: 346656-42-6

Suzuki-Miyaura Cross Coupling Reaction

C2823 1g 5g  2-Cyanophenylboronic Acid Neopentyl Glycol Ester CAS RN: 214360-47-1	C2621 1g 5g  2-Cyanophenylboronic Acid Pinacol Ester CAS RN: 214360-48-2	D4575 1g 5g  3,5-Dichlorophenylboronic Acid Pinacol Ester CAS RN: 68716-51-8	D4201 1g 5g  3,5-Dichloro-4-hydroxyphenylboronic Acid Pinacol Ester CAS RN: 1003298-87-0	D3601 1g 5g  4-(Diethylamino)phenylboronic Acid Pinacol Ester CAS RN: 920304-57-0
D4195 5g 25g  Phenylboronic Acid Neopentyl Glycol Ester CAS RN: 5123-13-7	D3533 5g  3,5-Dimethylphenylboronic Acid Pinacol Ester CAS RN: 325142-93-6	D3832 1g 5g  4-(Dimethylamino)phenylboronic Acid Pinacol Ester CAS RN: 171364-78-6	D2853 1g 5g  3-(Methoxycarbonyl)phenylboronic Acid Pinacol Ester CAS RN: 269410-25-5	E0667 1g  Ethyl 2-(5,5-Dimethyl-1,3,2-dioxaborinan-2-yl)benzoate CAS RN: 346656-34-6
F0531 1g  2-Fluorophenylboronic Acid Neopentyl Glycol Ester CAS RN: 346656-39-1	H1280 1g 5g  2-(Hydroxymethyl)phenylboronic Acid Cyclic Monoester CAS RN: 5735-41-1	I0653 1g  2-Iodophenylboronic Acid Pinacol Ester CAS RN: 857934-82-8	M2665 1g 5g  3-(Methoxycarbonyl)phenylboronic Acid Pinacol Ester CAS RN: 480425-35-2	N0824 1g  4-Amino-3-nitrophenylboronic Acid Pinacol Ester CAS RN: 833486-94-5
P1855 5g 25g  Phenylboronic Acid Pinacol Ester CAS RN: 24388-23-6	T1950 1g  4'-((4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl))acetanilide CAS RN: 214360-60-8	T3028 1g 5g  3-Aminophenylboronic Acid Pinacol Ester CAS RN: 210907-84-9	T1951 1g 5g  4-Aminophenylboronic Acid Pinacol Ester CAS RN: 214360-73-3	T3196 5g 25g  4-Methoxyphenylboronic Acid Pinacol Ester CAS RN: 171364-79-7
T2923 1g 5g  4-Formylphenylboronic Acid Pinacol Ester CAS RN: 128376-64-7	T3162 1g 5g  3-Carboxyphenylboronic Acid Pinacol Ester CAS RN: 269409-73-6	T2841 1g  4-Carboxyphenylboronic Acid Pinacol Ester CAS RN: 180516-87-4	T2945 1g 5g  4-(Bromomethyl)phenylboronic Acid Pinacol Ester CAS RN: 138500-85-3	T3031 1g 5g  (4'-Hydroxybiphenyl-4-yl)boronic Acid Pinacol Ester CAS RN: 760989-91-1
T1952 1g 5g  2-Hydroxyphenylboronic Acid Pinacol Ester CAS RN: 269409-97-4	T1953 1g 5g  3-Hydroxyphenylboronic Acid Pinacol Ester CAS RN: 214360-76-6	T1954 1g 5g  4-Hydroxyphenylboronic Acid Pinacol Ester CAS RN: 269409-70-3	T3218 1g 5g  Naphthalene-1-boronic Acid Pinacol Ester CAS RN: 68716-52-9	T3219 1g 5g  m-Tolylboronic Acid Pinacol Ester CAS RN: 253342-48-2
T2888 1g 5g  p-Tolylboronic Acid Pinacol Ester CAS RN: 195062-57-8	T2428 5g  2-[2-(Trifluoromethyl)phenyl]-4,4,5,5-tetramethyl-1,3,2-dioxaborolane CAS RN: 1073339-21-5	B4771 1g 5g  4-Bromophenylboronic Acid Pinacol Ester CAS RN: 68716-49-4	T3103 1g 5g  4-(Trifluoromethyl)phenylboronic Acid Pinacol Ester CAS RN: 214360-65-3	B5095 1g 5g  3,5-Bis(trifluoromethyl)phenylboronic Acid Pinacol Ester CAS RN: 69807-91-6
C2993 1g 5g  2-Cyanophenylboronic Acid 1,3-Propanediol Ester CAS RN: 172732-52-4	N1006 1g 5g  2-Nitrophenylboronic Acid Pinacol Ester CAS RN: 190788-59-1	T3161 1g 5g  2-Formylphenylboronic Acid Pinacol Ester CAS RN: 380151-85-9	T3195 1g 5g  o-Tolylboronic Acid Pinacol Ester CAS RN: 195062-59-0	T3216 1g  3-Acetamidophenylboronic Acid Pinacol Ester CAS RN: 480424-93-9

T3224 1g 5g  4-Acetoxyphenylboronic Acid Pinacol Ester CAS RN: 480424-70-2	T3237 1g  3-(Morpholino)phenylboronic Acid Pinacol Ester CAS RN: 852227-95-3	T3377 1g 5g  3-(Trifluoromethoxy)phenylboronic Acid Pinacol Ester CAS RN: 262376-31-8	B5069 1g 5g  1,2-Benzenediboronic Acid Bis(pinacol) Ester CAS RN: 269410-07-3	B5132 1g 5g  4-Boc-phenylboronic Acid Pinacol Ester CAS RN: 850568-72-8
D5017 1g 5g  3,5-Difluorophenylboronic Acid Pinacol Ester CAS RN: 863868-36-4	D5085 1g 5g  3,4-Dimethylphenylboronic Acid Pinacol Ester CAS RN: 401797-00-0	F1085 5g 25g  2-Fluorophenylboronic Acid Pinacol Ester CAS RN: 876062-39-4	B4364 1g 5g  1-Benzylpyrazole-4-boronic Acid Pinacol Ester CAS RN: 761446-45-1	B3573 1g 5g  2,1,3-Benzothiadiazole-4,7-diboronic Acid Bis(pinacol) Ester CAS RN: 934365-16-9
B4158 1g 5g  Benzo[1,2-b:4,5-b']-dithiophene-2,6-diboronic Acid Bis(pinacol) Ester CAS RN: 861398-06-3	B3363 5g  2,2'-Bithiophene-5,5'-diboronic Acid Bis(pinacol) Ester CAS RN: 239075-02-6	B3749 1g 5g  2-Bromo-3-pyridylboronic Acid Pinacol Ester CAS RN: 452972-12-2	B4051 1g  1-Boc-1,2,3,6-tetrahydropyridine-4-boronic Acid Pinacol Ester CAS RN: 286961-14-6	T2924 1g 5g  2-Thiopheneboronic Acid Pinacol Ester CAS RN: 193978-23-3
D3772 1g 5g  3,5-Dimethyl-4-isoxazoleboronic Acid Pinacol Ester CAS RN: 832114-00-8	H1298 1g 5g 25g  3-Hexyl-2-thiopheneboronic Acid Pinacol Ester CAS RN: 850881-09-3	M2650 1g 5g  6-Methoxy-3-pyridylboronic Acid Pinacol Ester CAS RN: 445264-61-9	M2339 1g 5g  1-Methylpyrazole-4-boronic Acid Pinacol Ester CAS RN: 761446-44-0	M2681 5g  1-Methylpyrazole-5-boronic Acid Pinacol Ester CAS RN: 847818-74-0
T2518 1g 5g 25g  2,2'-Bithiophene-5-boronic Acid Pinacol Ester CAS RN: 479719-88-5	T3117 1g 5g  (9H-Carbazol-3-yl)boronic Acid Pinacol Ester CAS RN: 855738-89-5	I0590 1g 5g  5-Indoleboronic Acid Pinacol Ester CAS RN: 269410-24-4	I0739 1g 5g  Isoquinoline-4-boronic Acid Pinacol Ester CAS RN: 685103-98-4	T2756 1g 5g  4-Pyrazoleboronic Acid Pinacol Ester CAS RN: 269410-08-4
T2345 1g 5g 25g  3-Pyridylboronic Acid Pinacol Ester CAS RN: 329214-79-1	T2349 1g 5g  4-Pyridylboronic Acid Pinacol Ester CAS RN: 181219-01-2	B5077 1g 5g  6-Bromo-2-pyridylboronic Acid Pinacol Ester CAS RN: 651358-83-7	M2391 1g 5g  3-Methyl-2-thiopheneboronic Acid Pinacol Ester CAS RN: 885692-91-1	P2277 1g 5g  1-Propylpyrazole-4-boronic Acid Pinacol Ester CAS RN: 827614-69-7
T3180 1g  Quinoline-3-boronic Acid Pinacol Ester CAS RN: 171364-85-5	T3215 1g 5g  1-(Tetrahydro-2H-pyran-2-yl)-1H-pyrazole-5-boronic Acid Pinacol Ester CAS RN: 903550-26-5	T3217 1g  3,6-Dihydro-2H-pyran-4-boronic Acid Pinacol Ester CAS RN: 287944-16-5	A2993 200mg 1g  3-Amino-2-methoxypyridine-5-boronic Acid Pinacol Ester CAS RN: 893440-50-1	C3126 200mg 1g  6-Cyano-3-pyridylboronic Acid Pinacol Ester CAS RN: 741709-63-7
D5184 1g  1,3-Dimethylpyrazole-4-boronic Acid Pinacol Ester CAS RN: 1046832-21-6	F1026 1g  5-Fluoro-3-pyridylboronic Acid Pinacol Ester CAS RN: 719268-92-5	M2647 1g 5g  4-Methyl-2-thiopheneboronic Acid Pinacol Ester CAS RN: 635305-48-5	T3409 200mg 1g  1,3,5-Trimethylpyrazole-4-boronic Acid Pinacol Ester CAS RN: 844891-04-9	T3512 1g 5g  5-Oxindoleboronic Acid Pinacol Ester CAS RN: 837392-64-0

T3582 1g 5g  (5-Methylfuran-2-yl)-boronic Acid Pinacol Ester CAS RN: 338998-93-9	T3668 200mg 1g  1-(Tetrahydro-2H-pyran-4-yl)-1H-pyrazole-4-boronic Acid Pinacol Ester CAS RN: 1040377-03-4	A3087 1g 5g  2-Aminopyrimidine-5-boronic Acid Pinacol Ester CAS RN: 402960-38-7	A3184 1g 5g  2-(9-Anthryl)-4,4,5-tetramethyl-1,3,2-dioxaborolane CAS RN: 709022-63-9	B4561 1g  Acetylene-1,2-diyl Bis(boronic Acid Pinacol Ester) CAS RN: 1010840-17-1
B5157 1g 5g  9,9-Dimethylfluorene-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 325129-69-9	B5203 1g 5g  1-Boc-pyrazolyl-4-boronic Acid Pinacol Ester CAS RN: 552846-17-0	B5238 1g  9,9-Dimethylfluorene-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 458532-82-6	B5288 1g  2,7-Naphthalenediboronic Acid Bis(pinacol) Ester CAS RN: 853377-10-3	B5588 1g 5g  4-(Boc-amino)phenylboronic Acid Pinacol Ester CAS RN: 330793-01-6
B5703 200mg 1g  2,2'-Biphenyldiboronic Acid Bis(pinacol) Ester CAS RN: 398128-09-1	B5704 200mg 1g  3,3'-Biphenyldiboronic Acid Bis(pinacol) Ester CAS RN: 850264-92-5	B5823 250mg 1g  Benzofuran-5-boronic Acid Pinacol Ester CAS RN: 519054-55-8	B5844 200mg 1g  1-Boc-5,6-Dihydro-2H-pyridine-3-boronic Acid Pinacol Ester CAS RN: 885693-20-9	B5871 1g 5g  Thiophene-2,5-diboronic Acid Bis(pinacol) Ester CAS RN: 175361-81-6
B5960 1g 5g  (3-Buten-1-yl)boronic Acid Pinacol Ester CAS RN: 331958-92-0	B6023 1g 5g  3-Biphenylboronic Acid Pinacol Ester CAS RN: 912844-88-3	B6024 1g 5g  3-Bromophenylboronic Acid Pinacol Ester CAS RN: 594823-67-3	B6026 200mg 1g  1-Boc-3,5-dimethylpyrazole-4-boronic Acid Pinacol Ester CAS RN: 1073354-70-7	B6050 1g  1,4-Benzenediboronic Acid Bis(neopentyl Glycol) Ester CAS RN: 5565-36-6
C3243 1g 5g  1-Cbz-1,2,3,6-tetrahydropyridine-4-boronic Acid Pinacol Ester CAS RN: 286961-15-7	C3301 1g 5g  5-Chloro-2-thiopheneboronic Acid Pinacol Ester CAS RN: 635305-24-7	C3367 200mg 1g  5-Chloropyridine-3-boronic Acid Pinacol Ester CAS RN: 865186-94-3	C3385 1g 5g  1-Cyclopenteneboronic Acid Pinacol Ester CAS RN: 287944-10-9	C3436 1g 5g  2-Chloropyrimidine-5-boronic Acid Pinacol Ester CAS RN: 1003845-08-6
C3500 5g 25g  4-Chlorophenylboronic Acid Pinacol Ester CAS RN: 195062-61-4	C3529 1g 5g  2-Chloropyridine-4-boronic Acid Pinacol Ester CAS RN: 458532-84-8	C3612 1g 5g  2-Chlorophenylboronic Acid Pinacol Ester CAS RN: 870195-94-1	D5142 200mg 1g  2,6-Difluoropyridine-3-boronic Acid Pinacol Ester CAS RN: 1072945-00-6	D5239 1g 5g  3,5-Bis(methoxycarbonyl)-benzeneboronic Acid Pinacol Ester CAS RN: 944392-68-1
D5360 1g 5g  3,5-Dimethoxyphenylboronic Acid Pinacol Ester CAS RN: 365564-07-4	D5431 200mg 1g  3,5-Dinitrophenylboronic Acid Pinacol Ester CAS RN: 428820-95-5	D5533 1g 5g  3,4-Dimethoxyphenylboronic Acid Pinacol Ester CAS RN: 365564-10-9	D5574 1g 5g  2,6-Dichloropyridine-4-boronic Acid Pinacol Ester CAS RN: 408492-27-3	D5575 200mg 1g  1,5-Dimethyl-1H-pyrazole-4-boronic Acid Pinacol Ester CAS RN: 1036991-40-8
D5591 1g 5g  3-(4,6-Diphenyl-1,3,5-triazine-2-yl)phenylboronic Acid Pinacol Ester CAS RN: 1269508-31-7	E1295 1g  5-(2-Ethylhexyl)-2-thiopheneboronic Acid Pinacol Ester CAS RN: 1390584-88-9	E1311 1g 5g  2-Ethoxycarbonylphenylboronic Acid Pinacol Ester CAS RN: 269409-99-6	E1348 1g 5g  1-Ethyl-1H-pyrazole-4-boronic Acid Pinacol Ester CAS RN: 847818-70-6	E1393 1g  4-(Ethoxycarbonylmethyl)-phenylboronic Acid Pinacol Ester CAS RN: 859169-20-3

F1094 1g 5g 6-Fluoropyridine-3-boronic Acid Pinacol Ester CAS RN: 444120-95-0	F1105 1g 5g 2-Fluoropyridine-3-boronic Acid Pinacol Ester CAS RN: 452972-14-4	F1245 5g 25g 9H-Fluorene-2-boronic Acid Pinacol Ester CAS RN: 922706-40-9	I1085 250mg 1g 1-Isopropyl-1H-pyrazole-4-boronic Acid Pinacol Ester CAS RN: 879487-10-2	I1099 200mg 1g 6-Isopropoxy-3-pyridylboronic Acid Pinacol Ester CAS RN: 871839-91-7
I1109 1g Isopropylboronic Acid Pinacol Ester CAS RN: 76347-13-2	M2867 1g 5g 2-Methylpyridine-4-boronic Acid Pinacol Ester CAS RN: 660867-80-1	M2994 1g 3-Methoxypyridine-5-boronic Acid Pinacol Ester CAS RN: 445264-60-8	M3020 1g 6-Methyl-3-pyridylboronic Acid Pinacol Ester CAS RN: 610768-32-6	M3057 1g 5g 4-(Methoxycarbonyl)-phenylboronic Acid Pinacol Ester CAS RN: 171364-80-0
M3116 200mg 1g 6-(4-Methylpiperazin-1-yl)pyridine-3-boronic Acid Pinacol Ester CAS RN: 918524-63-7	M3124 1g 5g 3-Methoxyphenylboronic Acid Pinacol Ester CAS RN: 325142-84-5	M3231 1g 5g 4-Methyl-3-pyridylboronic Acid Pinacol Ester CAS RN: 1171891-31-8	M3232 200mg 1g 1-(2-Methoxyethyl)-1H-pyrazole-4-boronic Acid Pinacol Ester CAS RN: 847818-71-7	M3233 1g 5g 2-(Methoxycarbonyl)-phenylboronic Acid Pinacol Ester CAS RN: 653589-95-8
M3236 1g 5g 4-(Methoxycarbonylmethyl)-phenylboronic Acid Pinacol Ester CAS RN: 454185-98-9	P2562 200mg 1g (9,9'-Spiro[fluorene]-3-yl)-boronic Acid Pinacol Ester CAS RN: 1346007-05-3	P2602 1g 5g 2,4,4,5,5-Pentamethyl-1,3,2-dioxaborolane CAS RN: 94242-85-0	T2521 1g 5g 5-Pyrimidylboronic Acid Pinacol Ester CAS RN: 321724-19-0	T3150 1g 5g 2-Pyreneboronic Acid Pinacol Ester CAS RN: 853377-11-4
T3393 1g 5g 2-(Bromomethyl)phenylboronic Acid Pinacol Ester CAS RN: 377780-72-8	T3399 200mg 1g 3-(4-Pyridyl)phenylboronic Acid Pinacol Ester CAS RN: 1009033-83-3	T3400 200mg 1g 4-(4-Pyridyl)phenylboronic Acid Pinacol Ester CAS RN: 1009033-87-7	T3441 1g 5g (9H-Carbazol-2-yl)boronic Acid Pinacol Ester CAS RN: 1242412-60-7	T3468 1g 5g 4-[(Tetrahydro-2H-pyran-2-yl)oxy]phenylboronic Acid Pinacol Ester CAS RN: 889865-38-7
T3469 1g 5g (2-Methyl-1-propenyl)-boronic Acid Pinacol Ester CAS RN: 126689-00-7	T3477 1g 5g 4-(Morpholinomethyl)-phenylboronic Acid Pinacol Ester CAS RN: 364794-79-6	T3485 1g 5g 5-Formyl-2-thiopheneboronic Acid Pinacol Ester CAS RN: 1040281-83-1	T3496 1g 5g 4-(Hydroxymethyl)phenylboronic Acid Pinacol Ester CAS RN: 302348-51-2	T3507 1g Quinoline-6-boronic Acid Pinacol Ester CAS RN: 406463-06-7
T3514 200mg 1g 3-Cyanopyridine-5-boronic Acid Pinacol Ester CAS RN: 402718-29-0	T3515 1g 5g 1,3,5-Phenyltriboronic Acid Tris(pinacol) Ester CAS RN: 365564-05-2	T3543 1g 5g 2-Aminophenylboronic Acid Pinacol Ester CAS RN: 191171-55-8	T3557 1g 5g 4-(Methanesulfonylamino)-phenylboronic Acid Pinacol Ester CAS RN: 616880-14-9	T3566 250mg 1g 1,4-Dioxaspiro[4,5]dec-7-en-8-boronic Acid Pinacol Ester CAS RN: 680596-79-6
T3626 1g (Naphthalen-1-ylmethyl)-boronic Acid Pinacol Ester CAS RN: 475250-57-8	T3665 1g 5g 10-Phenylanthracene-9-boronic Acid Pinacol Ester CAS RN: 460347-59-5	T3705 1g 5g 4-Morpholinophenylboronic Acid Pinacol Ester CAS RN: 568577-88-8	T3707 5g 25g 3-(Trifluoromethyl)phenylboronic Acid Pinacol Ester CAS RN: 325142-82-3	T3708 5g 25g 2-Methoxyphenylboronic Acid Pinacol Ester CAS RN: 190788-60-4

Suzuki-Miyaura Cross Coupling Reaction

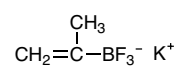
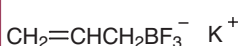
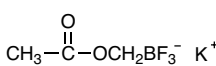
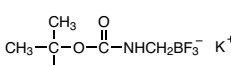
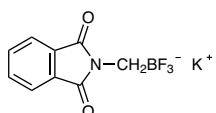
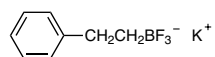
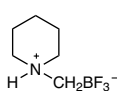
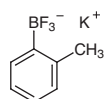
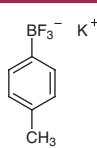
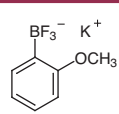
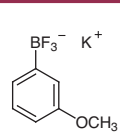
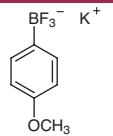
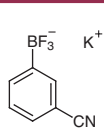
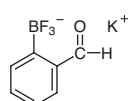
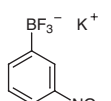
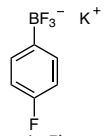
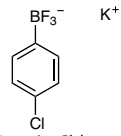
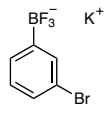
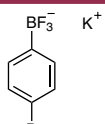
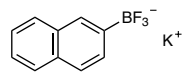
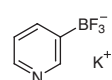
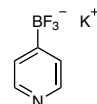
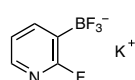
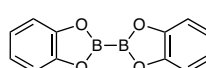
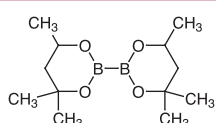
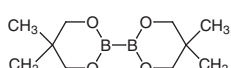
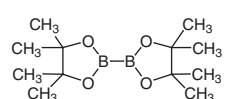
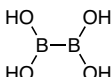
T3709 5g 25g 3-Formylphenylboronic Acid Pinacol Ester CAS RN: 380151-86-0	T3747 1g (9H-Carbazol-4-yl)boronic Acid Pinacol Ester CAS RN: 1255309-13-7	T3754 200mg 1g 4-(Carboxymethyl)phenylboronic Acid Pinacol Ester CAS RN: 797755-07-8	T3826 1g 5g 3-Acrylamidophenylboronic Acid Pinacol Ester CAS RN: 874363-18-5	T3828 250mg 1g (1,1':3,1''-Terphenyl)-3-ylboronic Acid Pinacol Ester CAS RN: 1115023-84-1
T3829 1g 5g 1H-Pyrazole-3-boronic Acid Pinacol Ester CAS RN: 844501-71-9	T3830 1g 5g 3-(Hydroxymethyl)phenylboronic Acid Pinacol Ester CAS RN: 443776-76-9	T3831 1g 5g Phenoxyphenyl-4-boronic Acid Pinacol Ester CAS RN: 269410-26-6	T3873 200mg 1g (1,1':3,1''-Terphenyl)-4-ylboronic Acid Pinacol Ester CAS RN: 1385826-84-5	T3874 1g 5g (1,1':4,1''-Terphenyl)-3-ylboronic Acid Pinacol Ester CAS RN: 1401577-23-8
T3875 1g (1,1':4,1''-Terphenyl)-4-ylboronic Acid Pinacol Ester CAS RN: 1080632-76-3	D5534 1g 5g Triphenylamine-4-boronic Acid Pinacol Ester CAS RN: 267221-88-5	E1346 1g 5g 4-Ethoxycarbonylphenylboronic Acid Pinacol Ester CAS RN: 195062-62-5	F1201 5g 25g 4-Fluorophenylboronic Acid Pinacol Ester CAS RN: 214360-58-4	M3245 1g 5g 3-(4-Methyl-1-piperazinylmethyl)benzeneboronic Acid Pinacol Ester CAS RN: 883738-27-0
T3710 1g 5g 4-Nitrophenylboronic Acid Pinacol Ester CAS RN: 171364-83-3				

Protected Boronic Acids

B3653 1g 5g 2-(2-Bromophenyl)-2,3-dihydro-1H-naphtho[1,8-de][1,3,2]-diazaborine CAS RN: 927384-42-7	B3654 1g 5g 2-(3-Bromophenyl)-2,3-dihydro-1H-naphtho[1,8-de][1,3,2]-diazaborine CAS RN: 927384-43-8	B3655 1g 5g 2-(4-Bromophenyl)-2,3-dihydro-1H-naphtho[1,8-de][1,3,2]-diazaborine CAS RN: 927384-44-9
B3868 1g 5g 2-(5-Bromo-2-thienyl)-2,3-dihydro-1H-naphtho[1,8-de][1,3,2]-diazaborine CAS RN: 927384-46-1	B4523 200mg 1g Bis(3-bromophenylboronic Acid) <i>scyllo</i> -Inositol Complex Dipotassium Pentahydrate CAS RN: 1537876-31-5	B4524 200mg 1g Bis(4-bromophenylboronic Acid) <i>scyllo</i> -Inositol Complex Dipotassium Tetrahydrate CAS RN: 1537876-29-1

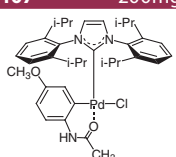
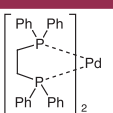
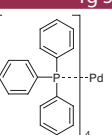
Trifluoroborate Salts

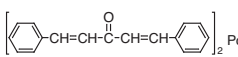
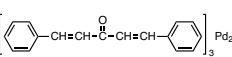
P1478 1g 5g $\text{CH}_3\text{BF}_3^- \text{K}^+$ Potassium Trifluoro(methyl)-borate CAS RN: 13862-28-7	P1692 1g 5g 25g $\text{CF}_3\text{BF}_3^- \text{K}^+$ Potassium Trifluoro(trifluoro-methyl)borate CAS RN: 42298-15-7	P1807 1g 5g $\text{BrCH}_2\text{BF}_3^- \text{K}^+$ Potassium (Bromomethyl)-trifluoroborate CAS RN: 888711-44-2
P1808 1g 5g $\text{ICH}_2\text{BF}_3^- \text{K}^+$ Potassium (Iodomethyl)-trifluoroborate CAS RN: 888711-47-5	P2153 1g $\text{CH}_3\text{OCH}_2\text{BF}_3^- \text{K}^+$ Potassium (Methoxymethyl)-trifluoroborate CAS RN: 910251-11-5	P1479 1g 5g 25g $\text{CH}_2=\text{CHBF}_3^- \text{K}^+$ Potassium Vinyltrifluoroborate CAS RN: 13682-77-4
P2628 1g 5g $\text{CH}_3\text{CH}_2\text{BF}_3^- \text{K}^+$ Potassium Ethyltrifluoroborate CAS RN: 882871-21-8	P2626 1g 5g $\text{CH}_3(\text{CH}_2)_3\text{BF}_3^- \text{K}^+$ Potassium Butyltrifluoroborate CAS RN: 444343-55-9	

P2456 1g 5g  Potassium Isopropenyltrifluoroborate CAS RN: 395083-14-4	P1480 1g 5g  Potassium Allyltrifluoroborate CAS RN: 233664-53-4	P1846 1g 5g  Potassium Cyclopropyltrifluoroborate CAS RN: 1065010-87-8	P2494 1g 5g  Potassium (Acetoxymethyl)-trifluoroborate CAS RN: 910251-35-3	P2155 1g 5g  Potassium [[(tert-Butoxycarbonyl)-amino]methyl]trifluoroborate CAS RN: 1314538-55-0
P2514 1g 5g  Potassium (Phthalimidomethyl)-trifluoroborate CAS RN: 1001671-72-2	P1581 1g 5g  Potassium Trifluoro(2-phenylethyl)borate CAS RN: 329976-74-1	P2287 1g  (Piperidinium-1-ylmethyl)-trifluoroborate CAS RN: 1268340-93-7	P1582 1g 5g 25g  Potassium Phenyltrifluoroborate CAS RN: 153766-81-5	P1818 1g 5g  Potassium o-Tolyltrifluoroborate CAS RN: 274257-34-0
P1583 1g 5g  Potassium p-Tolyltrifluoroborate CAS RN: 216434-82-1	P1810 1g 5g  Potassium (2-Methoxyphenyl)-trifluoroborate CAS RN: 236388-46-8	P1580 1g 5g  Potassium (3-Methoxyphenyl)-trifluoroborate CAS RN: 438553-44-7	P1820 1g 5g  Potassium (4-Methoxyphenyl)-trifluoroborate CAS RN: 192863-36-8	P1814 5g  Potassium (3-Cyanophenyl)-trifluoroborate CAS RN: 850623-46-0
P1812 1g  Potassium (2-Formylphenyl)-trifluoroborate CAS RN: 192863-39-1	P1819 1g 5g  Potassium (3-Nitrophenyl)-trifluoroborate CAS RN: 192863-40-4	P1465 1g  Potassium (4-Fluorophenyl)-trifluoroborate CAS RN: 192863-35-7	P2654 5g 25g  Potassium (4-Chlorophenyl)-trifluoroborate CAS RN: 661465-44-7	P2646 1g 5g  Potassium (3-Bromophenyl)-trifluoroborate CAS RN: 374564-34-8
P2647 1g 5g  Potassium (4-Bromophenyl)-trifluoroborate CAS RN: 374564-35-9	P2655 5g 25g  Potassium 2-Naphthalenyltrifluoroborate CAS RN: 668984-08-5	P1717 1g 5g  Potassium 3-Pyridyltrifluoroborate CAS RN: 561328-69-6	P1684 1g 5g  Potassium 4-Pyridyltrifluoroborate CAS RN: 1111732-87-6	P2675 1g 5g  Potassium 2-Fluoropyridine-3-trifluoroborate CAS RN: 1111732-91-2
Diboronic Acid / Diboronic Acid Esters				
B3757 1g 5g  Bis(catecholato)diboron CAS RN: 13826-27-2	B2906 1g 5g  Bis(hexylene Glycolato)-diboron CAS RN: 230299-21-5	B2254 1g 5g 25g  Bis(neopentyl Glycolato)-diboron CAS RN: 201733-56-4		
B1964 1g 5g 25g 100g  Bis(pinacolato)diboron CAS RN: 73183-34-3	T2953 5g 25g  Tetrahydroxydiboron CAS RN: 13675-18-8			
Palladium Catalysts				
P1490 5g 25g Pd Palladium 5% on Carbon (wetted with ca. 55% Water) CAS RN: 7440-05-3	P1491 5g 25g Pd Palladium 10% on Carbon (wetted with ca. 55% Water) CAS RN: 7440-05-3	P1785 5g 25g Pd Palladium 10% on Carbon (wetted with ca. 55% Water) CAS RN: 7440-05-3		

Suzuki-Miyaura Cross Coupling Reaction

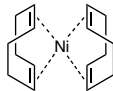
P2238 5g 25g Palladium 5% on Alumina CAS RN: 7440-05-3	P1528 10g 50g Palladium Hydroxide 20% on Carbon (wetted with ca. 50% Water) CAS RN: 12135-22-7	A1424 1g 5g Palladium(II) Acetate CAS RN: 3375-31-3	P2161 1g Palladium(II) Acetate (Purified) CAS RN: 3375-31-3	P2106 1g 5g Palladium(II) Acetate Trimer CAS RN: 53189-26-7
P1870 1g 5g Palladium(II) Trifluoroacetate CAS RN: 42196-31-6	P1489 1g 5g Palladium(II) Chloride CAS RN: 7647-10-1	S0540 1g Sodium Tetrachloro- palladate(II) CAS RN: 13820-53-6	B1676 1g 5g Bis(acetonitrile)palladium(II) Dichloride CAS RN: 14592-56-4	T3023 1g Tetrakis(acetonitrile)- palladium(II) Ditriflate CAS RN: 68569-14-2
B1668 1g 5g Bis(benzonitrile)palladium(II) Dichloride CAS RN: 14220-64-5	A1479 500mg 1g Allylpalladium(II) Chloride Dimer CAS RN: 12012-95-2	P2017 200mg Palladium(II)(π -cinnamyl) Chloride Dimer CAS RN: 12131-44-1	D3704 100mg [Di-tert-butyl(chloro)phosphine]- palladium(II) Dichloride Dimer CAS RN: 386706-33-8	D3706 100mg Dihydrogen Di- μ -chlorotetrakis(di- tert-butylphosphinito)dipalladate CAS RN: 386706-31-6
D4191 1g Di- μ -chlorobis(2'-amino-1,1'- biphenyl-2-yl-C,N)dipalladium(II) CAS RN: 847616-85-7	C2734 1g Chloro[(tri-tert-butylphosphine)- 2-(2-aminobiphenyl)] palladium(II) CAS RN: 1375325-71-5	D3806 250mg 1g Najera Catalyst I CAS RN: 287410-78-0	D3807 250mg 1g Najera Catalyst II CAS RN: 419581-64-9	D3847 1g Di- μ -chlorobis[2-[(dimethylamino)- methyl]phenyl-C,N]dipalladium(II) CAS RN: 18987-59-2
D4112 1g Di- μ -chlorobis[2-[(dimethylamino)- methyl]-4,6-dimethoxyphenyl- C,N]dipalladium(II) CAS RN: 18987-71-8	B2016 1g 5g [1,2-Bis(diphenylphosphino)- ethane]palladium(II) Dichloride CAS RN: 19978-61-1	B2192 1g 5g [1,3-Bis(diphenylphosphino)- propane]palladium(II) Dichloride CAS RN: 59831-02-6	B2031 1g 5g [1,4-Bis(diphenylphosphino)- butane]palladium(II) Dichloride CAS RN: 29964-62-3	B2055 1g 5g Bis(tricyclohexylphosphine)- palladium(II) Dichloride CAS RN: 29934-17-6
B2161 1g 5g Bis(methyldiphenyl- phosphine)palladium(II) Dichloride CAS RN: 52611-08-2	B1667 1g 5g 25g Bis(triphenylphosphine)- palladium(II) Dichloride CAS RN: 13965-03-2	B2026 1g 5g Bis(tri-o-tolylphosphine)- palladium(II) Dichloride CAS RN: 40691-33-6	B2029 100mg 1g Benzylbis(triphenyl- phosphine)palladium(II) Chloride CAS RN: 22784-59-4	B2042 1g 5g Bis(triphenylphosphine)- palladium(II) Diacetate CAS RN: 14588-08-0
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B2018 1g 5g Bis(2,4-pentanedionato)- palladium(II) CAS RN: 14024-61-4	B6199 1g 5g 25g Organ's Catalyst CAS RN: 905459-27-0	C2372 200mg 1g SingaCycle™-A1 CAS RN: 930796-10-4	C2406 200mg 1g SingaCycle™-A2 CAS RN: 1093348-08-3	C2387 200mg 1g SingaCycle™-A3 CAS RN: 1228009-69-5

C2407 200mg 1g  SingaCycle™-A4	B3161 250mg 1g $[(CH_3)_3C-Pd]_2$ Bis(tri- <i>tert</i> -butylphosphine)palladium(0) CAS RN: 53199-31-8	B4837 500mg $[(CH_3)_2N-C_6H_4-P(C(CH_3)_3)_2]_2Pd$ Bis[di- <i>tert</i> -butyl(4dimethylaminophenyl)phosphine palladium(0) CAS RN: 1233717-68-4	B3224 1g 5g  Bis[1,2-bis(diphenylphosphino)ethane]palladium(0) CAS RN: 31277-98-2	T1350 1g 5g 25g  Tetrakis(triphenylphosphine)palladium(0) CAS RN: 14221-01-3
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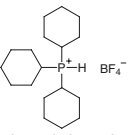
B1374 1g 5g  Bis(dibenzylideneacetone)palladium(0) CAS RN: 32005-36-0	T2184 1g 5g  Tris(dibenzylideneacetone)dipalladium(0) CAS RN: 51364-51-3
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Nickel Catalysts

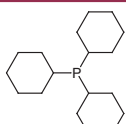
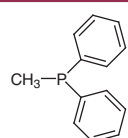
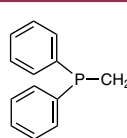
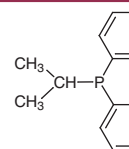
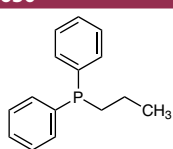
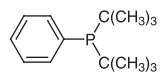
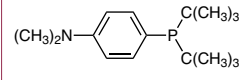
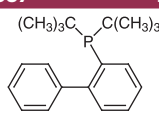
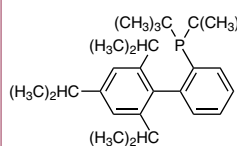
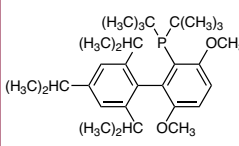
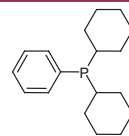
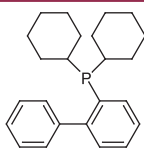
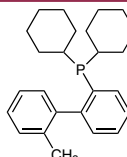
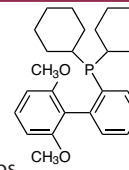
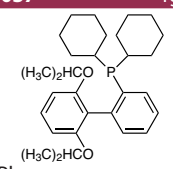
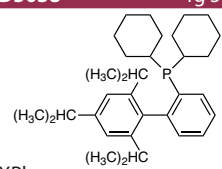
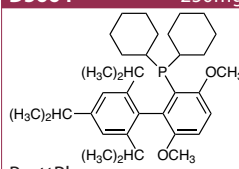
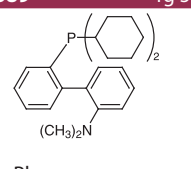
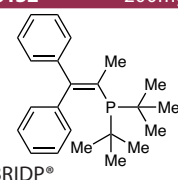
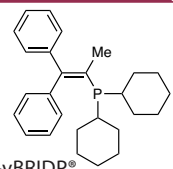
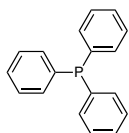
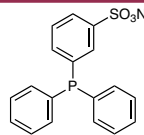
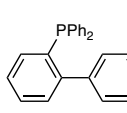
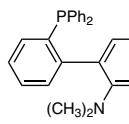
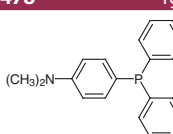
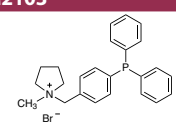
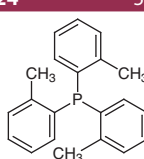
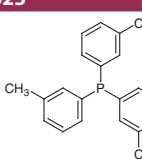
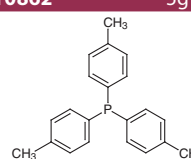
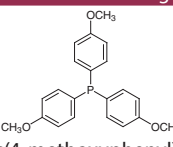
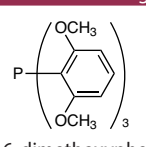
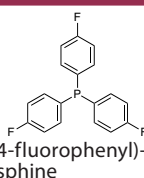
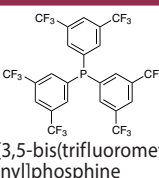
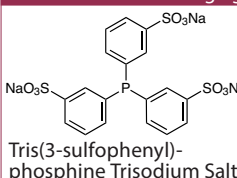
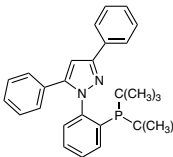
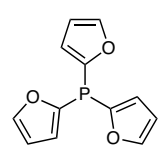
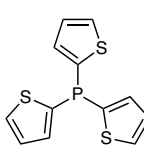
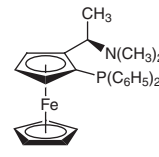
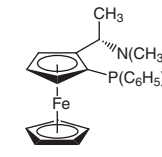
Nickel Catalysts		N0850 25g 500g NiCl₂ Nickel(II) Chloride Anhydrous CAS RN: 7718-54-9	N0851 25g 500g NiCl₂ · 6H₂O Nickel(II) Chloride Hexahydrate CAS RN: 7791-20-0	N0760 100g 500g Nickel(II) Acetate Tetrahydrate CAS RN: 6018-89-9
N1050 1g 10g Dibromo(glyme)nickel CAS RN: 28923-39-9	N1049 1g 10g Nickel(II) Bromide 2-Methoxyethyl Ether Complex CAS RN: 312696-09-6	B2225 1g 5g 25g [1,2-Bis(diphenylphosphino)ethane]nickel(II) Dichloride CAS RN: 14647-23-5	B1313 5g 25g [1,3-Bis(diphenylphosphino)propane]nickel(II) Dichloride CAS RN: 15629-92-2	B2226 1g 5g [1,1'-Bis(diphenylphosphino)ferrocene]nickel(II) Dichloride CAS RN: 67292-34-6
N0096 25g 100g 500g Bis(2,4-pentanedionato)nickel(II) Hydrate CAS RN: 120156-44-7	B3534 1g 5g Bis(tricyclohexylphosphine)nickel(II) Dichloride CAS RN: 19999-87-2	D5369 250mg Dichlorobis(dicyclohexylphenylphosphine)nickel(II) CAS RN: 19232-03-2	C3325 100mg 500mg Jamison Catalyst CAS RN: 1419179-26-2	B3354 1g Bromo[(2,6-pyridinediyl)bis(3-methyl-1-imidazolyl-2-ylidene)]nickel Bromide CAS RN: 894102-11-5
B3235 200mg 1g [1,3-Bis(2,6-diisopropylphenyl)imidazol-2-ylidene]triphenylphosphine Nickel(II) Dichloride CAS RN: 903592-98-3	B1571 10g 100g Bis(triphenylphosphine)nickel(II) Dichloride CAS RN: 14264-16-5	S0487 50g Ni Skeletal Nickel Catalyst slurry in Water CAS RN: 7440-02-0	B3095 5g Ni(COD)₂ CAS RN: 1295-35-8	

B5417 5each  Ni(COD) ₂ (Wax encapsulated) (ca. 0.05mmol/capsule) CAS RN: 1295-35-8
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Phosphine Ligands

T2584 1g 5g $(CH_3)_3C-P^+(CH_3)_3 H^- BF_4^-$ Tri- <i>tert</i> -butylphosphonium Tetrafluoroborate CAS RN: 131274-22-1	T0361 25mL 100mL 500mL $CH_3(CH_2)_3-P(CH_2CH_3)_3$ Tributylphosphine CAS RN: 998-40-3	T2585 1g 5g  Tricyclohexylphosphonium Tetrafluoroborate CAS RN: 58656-04-5
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Suzuki-Miyaura Cross Coupling Reaction

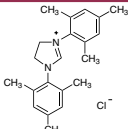
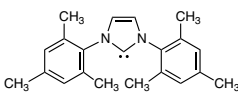
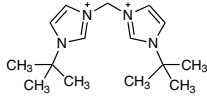
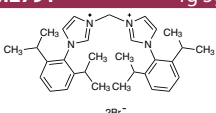
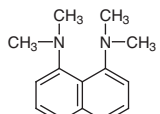
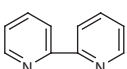
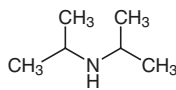
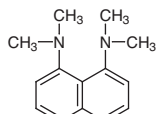
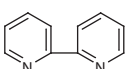
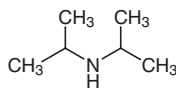
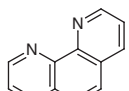
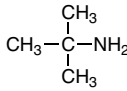
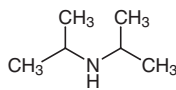
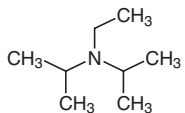
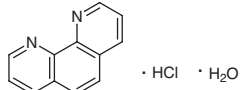
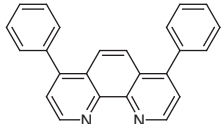
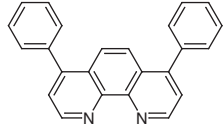
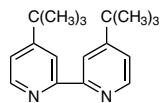
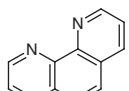
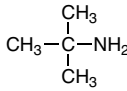
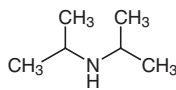
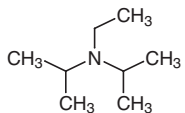
T1165 25mL  Tricyclohexylphosphine (contains Tricyclohexylphosphine Oxide) (ca. 18% in Toluene, ca. 0.60mol/L) CAS RN: 2622-14-2	M1318 1g 5g  Methylbis(diphenyl)phosphine CAS RN: 1486-28-8	E0519 5g  Ethylbis(diphenyl)phosphine CAS RN: 607-01-2	I0583 1g 5g  Isopropylbis(diphenyl)phosphine CAS RN: 6372-40-3	
D2630 5g  Diphenylpropylphosphine CAS RN: 7650-84-2	D3940 5g  Di-tert-butylphenylphosphine CAS RN: 32673-25-9	D4531 1g 5g  Amphos CAS RN: 932710-63-9	D3387 1g 5g  JohnPhos CAS RN: 224311-51-7	D5039 1g 5g  tBuXPhos CAS RN: 564483-19-8
D5663 250mg  tert-ButylBrettPhos CAS RN: 1160861-53-9	D2411 1g 5g  Dicyclohexylphenylphosphine CAS RN: 6476-37-5	D3388 1g 5g  CyJohnPhos CAS RN: 247940-06-3	D5035 1g 5g  MePhos CAS RN: 251320-86-2	D5036 1g 5g  SPhos CAS RN: 657408-07-6
D5037 1g 5g  RuPhos CAS RN: 787618-22-8	D5038 1g 5g  XPhos CAS RN: 564483-18-7	D5664 250mg  BrettPhos CAS RN: 1070663-78-3	D3389 1g 5g  DavePhos CAS RN: 213697-53-1	V0132 200mg 1g  vBRIDP® CAS RN: 384842-25-5
C2981 200mg 1g  Cy-vBRIDP® CAS RN: 384842-24-4	T0519 25g 100g 500g  Triphenylphosphine CAS RN: 603-35-0	D2043 1g 5g  Sodium Diphenylphosphinobenzene-3-sulfonate CAS RN: 63995-75-5	D4688 1g  2-(Diphenylphosphino)biphenyl CAS RN: 13885-09-1	D4402 1g  PhDave-Phos CAS RN: 240417-00-9
D2478 1g 5g  4-(Dimethylamino)phenyldiphenylphosphine CAS RN: 739-58-2	M2103 1g  1-Methyl-1-[4-(diphenylphosphino)benzyl]pyrrolidinium Bromide CAS RN: 1229444-44-3	T1024 5g 25g  Tri(o-tolyl)phosphine CAS RN: 6163-58-2	T1025 5g 25g  Tri(m-tolyl)phosphine CAS RN: 6224-63-1	T0862 5g 25g  Tri(p-tolyl)phosphine CAS RN: 1038-95-5
T0861 5g 25g  Tris(4-methoxyphenyl)phosphine CAS RN: 855-38-9	T1614 5g 25g  Tris(2,6-dimethoxyphenyl)phosphine CAS RN: 85417-41-0	T2900 5g  Tris(4-fluorophenyl)phosphine CAS RN: 184377-78-0	T2526 1g 5g  Tris(3,5-bis(trifluoromethyl)phenyl)phosphine CAS RN: 175136-62-6	T2187 1g 5g  Tris(3-sulfophenyl)phosphine Trisodium Salt CAS RN: 63995-70-0
D3834 1g 5g  TrippyPhos CAS RN: 628333-86-8	T1643 1g 5g  Tri(2-furyl)phosphine CAS RN: 5518-52-5	T1666 1g 5g  Tri(2-thienyl)phosphine CAS RN: 24171-89-9	D2535 100mg  (R)-(S)-PPFA CAS RN: 55700-44-2	D2536 100mg  (S)-(R)-PPFA CAS RN: 55650-58-3

D2774 100mg 1g (R)-(+)-MOP CAS RN: 145964-33-6	B1982 5g 25g Bis(diphenylphosphino)-methane CAS RN: 2071-20-7	B1137 10g 25g 1,2-Bis(diphenylphosphino)-ethane CAS RN: 1663-45-2	B1138 5g 25g 1,3-Bis(diphenylphosphino)propane CAS RN: 6737-42-4	B1246 5g 25g 1,4-Bis(diphenylphosphino)-butane CAS RN: 7688-25-7
B1960 1g 1,5-Bis(diphenylphosphino)-pentane CAS RN: 27721-02-4	B1959 1g 5g 1,6-Bis(diphenylphosphino)-hexane CAS RN: 19845-69-3	B2867 5g 25g Bis[2-(diphenylphosphino)-phenyl] Ether CAS RN: 166330-10-5	B2709 1g 5g 25g Xantphos CAS RN: 161265-03-8	B5239 200mg 1g 4,5-Bis(dicyclohexylphosphino)-9,9-dimethylxanthene CAS RN: 940934-47-4
B5957 100mg 500mg 2,2'-Biphenyldiylbis[bis(3,5-dimethylphenyl)phosphine] CAS RN: 325773-62-4	B2711 100mg 1g 1,1'-Bis(di-tert-butylphosphino)ferrocene CAS RN: 84680-95-5	B2710 100mg 1g 1,1'-Bis(diisopropylphosphino)ferrocene CAS RN: 97239-80-0	B2027 1g 5g 25g 1,1'-Bis(diphenylphosphino)-ferrocene CAS RN: 12150-46-8	B2383 5g 25g (±)-BINAP CAS RN: 98327-87-8
B1406 1g 5g 25g (R)-(+)-BINAP CAS RN: 76189-55-4	B1405 1g 5g (S)-(-)-BINAP CAS RN: 76189-56-5			

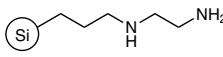
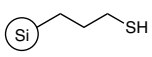
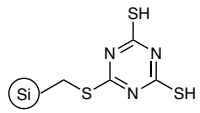
N-Heterocyclic Carbene Ligands

D5498 1g [1iPr(H)][HCO₃] CAS RN: 1372124-90-7	D5513 1g [1tBu(H)][HCO₃]	D3472 1g 5g 1,3-Di-tert-butylimidazol-2-ylidene CAS RN: 157197-53-0	M3036 5g 25g 1-Methyl-3-propylimidazolium Tetrafluoroborate CAS RN: 244193-48-4	D3882 1g 5g 1,3-Dicyclohexylimidazolium Chloride CAS RN: 181422-72-0
D3850 1g 5g 25g 1,3-Dicyclohexylimidazolium Tetrafluoroborate CAS RN: 286014-38-8	D3620 500mg 1,3-Di(1-adamantyl)-imidazolium Tetrafluoroborate CAS RN: 1176202-63-3	D3621 1g 1Ad-HBF₄ CAS RN: 286014-42-4	B5603 1g 1Pr-CO₂ CAS RN: 917604-39-8	D3611 500mg 5g 25g 1,3-Bis(2,6-diisopropylphenyl)-imidazolium Chloride CAS RN: 250285-32-6
B3157 500mg 1g 5g 1,3-Bis(2,6-diisopropylphenyl)-imidazolium Chloride CAS RN: 258278-25-0	B3465 1g 5g 1,3-Bis(2,6-diisopropylphenyl)-imidazol-2-ylidene CAS RN: 244187-81-3	B3506 1g 1,3-Bis(2,6-diisopropylphenyl)-imidazolidin-2-ylidene CAS RN: 258278-28-3	D5401 1g IMes-CO₂ CAS RN: 675877-56-2	D3446 1g 5g 1,3-Dimesitylimidazolium Chloride CAS RN: 141556-45-8

Suzuki-Miyaura Cross Coupling Reaction

B3158 1g 5g  1,3-Bis(2,4,6-trimethylphenyl)-imidazolinium Chloride CAS RN: 173035-10-4	D3870 1g 5g  1,3-Dimesitylimidazol-2-ylidene CAS RN: 141556-42-5	M2790 1g 5g  3,3'-Methylenebis(1-tert-butyl-3-imidazolium Bromide) CAS RN: 247902-48-3	M2791 1g 5g  3,3'-Methylenebis[1-(2,6-diisopropylphenyl)-3-imidazolium Bromide] CAS RN: 889617-36-1
Bases, Additive Agents			
B1018 1g 5g 25g  1,8-Bis(dimethylamino)-naphthalene CAS RN: 20734-58-1	M0508 25g 100g 500g  1-Methylimidazole CAS RN: 616-47-7	B0468 25g 100g 500g  2,2'-Bipyridyl CAS RN: 366-18-7	D0925 25mL 100mL 500mL  Diisopropylamine CAS RN: 108-18-9
B1018 1g 5g 25g  1,8-Bis(dimethylamino)-naphthalene CAS RN: 20734-58-1	M0508 25g 100g 500g  1-Methylimidazole CAS RN: 616-47-7	B0468 25g 100g 500g  2,2'-Bipyridyl CAS RN: 366-18-7	D0925 25mL 100mL 500mL  Diisopropylamine CAS RN: 108-18-9
P0221 1g 25g  1,10-Phenanthroline Monohydrate CAS RN: 5144-89-8	B0709 25mL 100mL 500mL  tert-Butylamine CAS RN: 75-64-9	D0925 25mL 100mL 500mL  Diisopropylamine CAS RN: 108-18-9	D1599 25mL 100mL 500mL  N,N-Diisopropylethylamine CAS RN: 7087-68-5
P0081 25g  1,10-Phenanthroline Hydrochloride Monohydrate CAS RN: 18851-33-7	D0905 1g 5g  Bathophenanthroline CAS RN: 1662-01-7	B2695 1g  Bathophenanthroline (purified by sublimation) CAS RN: 1662-01-7	D3134 1g 5g  4,4'-Di-tert-butyl-2,2'-bipyridyl CAS RN: 72914-19-3
P0221 1g 25g  1,10-Phenanthroline Monohydrate CAS RN: 5144-89-8	B0709 25mL 100mL 500mL  tert-Butylamine CAS RN: 75-64-9	D0925 25mL 100mL 500mL  Diisopropylamine CAS RN: 108-18-9	D1599 25mL 100mL 500mL  N,N-Diisopropylethylamine CAS RN: 7087-68-5
L0204 25g 300g LiCl Lithium Chloride Anhydrous CAS RN: 7447-41-8	L0222 100mL LiCl Lithium Chloride (2.3% in Tetrahydrofuran, ca. 0.5mol/L) CAS RN: 7447-41-8	L0204 25g 300g LiCl Lithium Chloride Anhydrous CAS RN: 7447-41-8	L0222 100mL LiCl Lithium Chloride (2.3% in Tetrahydrofuran, ca. 0.5mol/L) CAS RN: 7447-41-8
S0485 100g 500g CH_3ONa Sodium Methoxide CAS RN: 124-41-4	S0560 300g $\text{NaO}-\text{C}(=\text{O})-\text{ONa}$ Sodium Carbonate CAS RN: 497-19-8	P1748 300g $\text{KO}-\text{C}(=\text{O})-\text{OK}$ Potassium Carbonate CAS RN: 584-08-7	P2354 5g 25g $(\text{CH}_3)_3\text{C}-\text{C}(=\text{O})-\text{OK}$ Potassium Pivalate CAS RN: 19455-23-3
C2430 25g 100g $\text{CH}_3-\text{C}(=\text{O})-\text{OCs}$ Cesium Acetate CAS RN: 3396-11-0	C2160 25g 100g $\text{CsO}-\text{C}(=\text{O})-\text{OCs}$ Cesium Carbonate CAS RN: 534-17-8	C3230 1g 5g $(\text{CH}_3)_3\text{C}-\text{C}(=\text{O})-\text{OCs}$ Cesium Pivalate CAS RN: 20442-70-0	T0054 25g 100g 500g $\text{CH}_3(\text{CH}_2)_3-\text{N}^+(\text{CH}_2)_3\text{CH}_3 \text{ Br}^-$ Tetrabutylammonium Bromide CAS RN: 1643-19-2
Z0015 300g Zn Zinc (Powder) CAS RN: 7440-66-6	T0057 25g 100g 500g $\text{CH}_3(\text{CH}_2)_3-\text{N}^+(\text{CH}_2)_3\text{CH}_3 \text{ I}^-$ Tetrabutylammonium Iodide CAS RN: 311-28-4	T0054 25g 100g 500g $\text{CH}_3(\text{CH}_2)_3-\text{N}^+(\text{CH}_2)_3\text{CH}_3 \text{ Br}^-$ Tetrabutylammonium Bromide CAS RN: 1643-19-2	T0057 25g 100g 500g $\text{CH}_3(\text{CH}_2)_3-\text{N}^+(\text{CH}_2)_3\text{CH}_3 \text{ I}^-$ Tetrabutylammonium Iodide CAS RN: 311-28-4

Metal Scavengers

E0777 25g  3-(Ethylenediamino)propyl Silica Gel (0.7-1.0mmol/g)	M1979 25g  3-Mercaptopropyl Silica Gel (0.5-0.8mmol/g)	S0865 5g  Si-TMT (2,4,6-Trimercaptotriazine Silica Gel) (0.2-0.5mmol/g) CAS RN: 1226494-16-1
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