

FUJIFILM

Value from Innovation

Wako

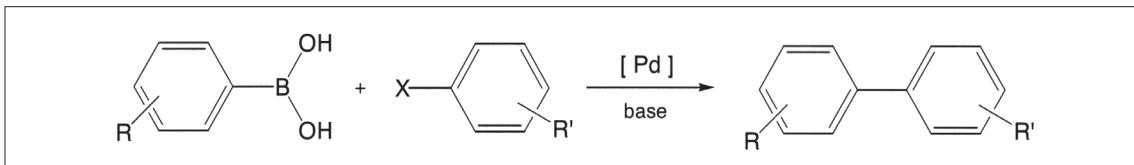
BORONIC ACID COMPOUNDS

for SUZUKI Coupling Reaction

Boronic Acids
Boronic Acid Esters
Diboron Esters
Palladium Catalysts

BORONIC ACID COMPOUNDS

Suzuki coupling reaction, for synthesis of biaryl compounds from aryl boronic acids and aryl halides using transition metals as catalysts, is one of the most actively researched organic synthesis reaction in recent years.



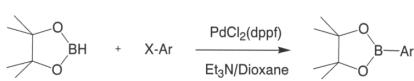
The reaction in aqueous/organic biphasic system using palladium compounds with phosphine ligand as catalysts and carbonates such as sodium carbonate as bases is common method¹⁾. NaOH²⁾, Et₃N³⁾ and K₃PO₄⁴⁾ are also applicable to the reaction except for carbonates. The reaction is accelerated by 1 equivalent of TBAB (Tetrabutylammonium Bromide) which is a phase transfer catalyst, and progresses even if only in the aqueous phase⁵⁾. Recently, organic synthesis using microwave have been actively investigated. Studies have shown that transition metals are unnecessary and that phase catalysts such as TBAB are sufficient for Suzuki coupling reactions to progress if microwave is used⁶⁾.

Wako provides a wide variety of chemicals used for Suzuki coupling reaction including Boronic acids, Boronic acid esters and Palladium catalysts.

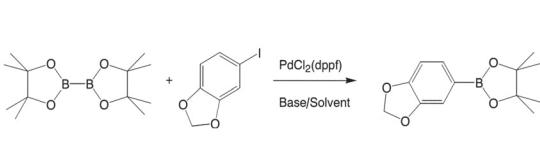
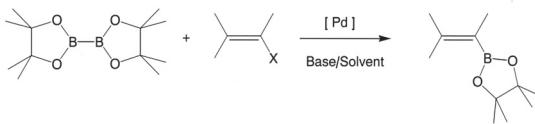
Please contact us if you require different package size.

Reaction Examples

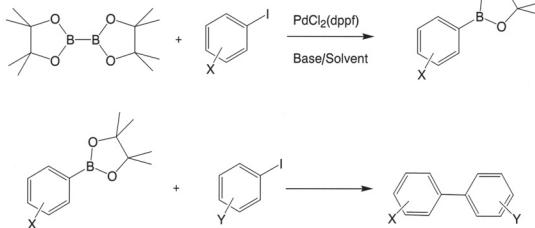
Synthesis of Arylboronic Acid Esters⁷⁾



Alkene Reaction



One-Pot Synthesis



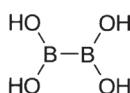
PdCl₂(dppf):[1,1'-Bis(diphenylphosphino)ferrocene]dichloropalladium(II)

References

- 1) Miyaura, N.; Suzuki, A.: *Chem. Rev.*, **95**, 2457 (1995).
- 2) Watanabe, T.; Miyaura, N.; Suzuki, A.: *Synlett*, **207** (1992).
- 3) Muller, W.; Lowe, D. A. Neijt, H. Urwyler, S.: *Helv. Chim. Acta*, **75**, 855 (1992).
- 4) Coleman, R. S.; Grant, E. B.: *Tetrahedron Lett.*, **34**, 222 (1993).
- 5) Badone, D.; Baroni, M.; Cardamone, R.; Ielmini, A. Guzzi, U.: *J. Org. Chem.*, **62**, 7170 (1997).
- 6) Leadbeater, N. E.; Marco, M.: *J.Org. Chem.*, **68**, 5660 (2003).
- 7) Yuzuru Masuda et al.: *J. Org. Chem.*, **62**, 6458 (1997).

BORONIC ACIDS

Tetrahydroxydiboron



[CAS No.13675-18-8]

326-63411 1g
322-63413 5g

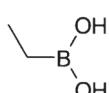
Methylboronic Acid



[13061-96-6]

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326-64153 5g

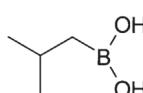
Ethylboronic Acid



[4433-63-0]

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323-84943 5g

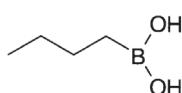
(2-Methylpropyl)boronic Acid



[84110-40-7]

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327-72172 25g

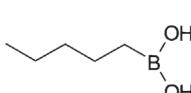
n-Butylboronic Acid



[4426-47-5]

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323-52333 5g

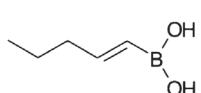
1-Pentylboronic Acid



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328-84873 5g

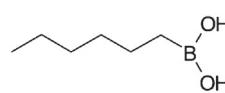
(*E*)-1-Pentenylboronic Acid



[59239-44-0]

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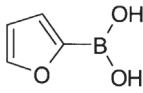
n-Hexylboronic Acid



[16343-08-1]

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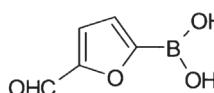
2-Furanboronic Acid



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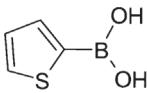
5-Formyl-2-furanboronic Acid



[27329-70-0]

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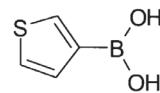
2-Thiopheneboronic Acid



[6165-68-0]

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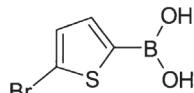
3-Thiopheneboronic Acid



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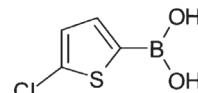
5-Bromo-2-thiopheneboronic Acid



[162607-17-2]

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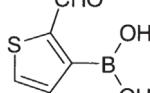
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[162607-18-3]

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321-64103 5g

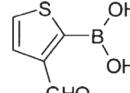
2-Formyl-3-thiopheneboronic Acid



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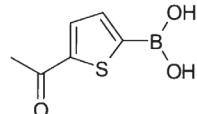
326-64131 1g
322-64133 5g

3-Formyl-2-thiopheneboronic Acid



[17303-83-2]

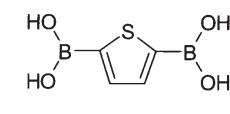
5-Acetyl-2-thiopheneboronic Acid



[206551-43-1]

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323-84362 25g

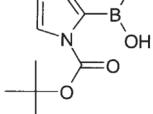
2,5-Thiophenediboronic Acid



[26076-46-0]

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326-84092 25g

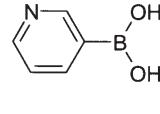
1-BOC-pyrrole-2-boronic Acid



[135884-31-0]

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323-87003 5g

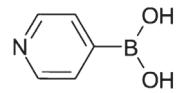
3-Pyridineboronic Acid



[1692-25-7]

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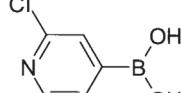
4-Pyridineboronic Acid



[1692-15-5]

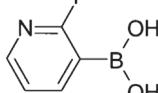
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325-59853 5g

2-Chloro-4-pyridineboronic Acid



326-77201 1g

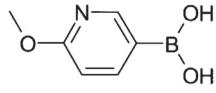
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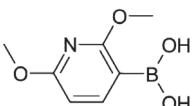
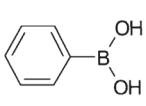
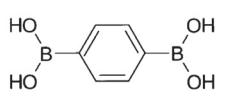
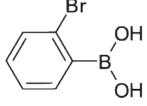
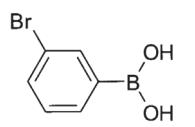
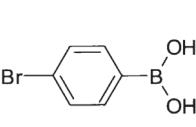
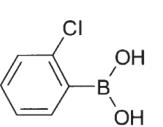
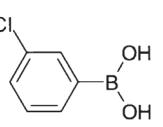
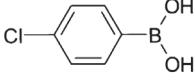
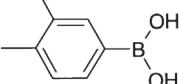
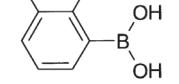
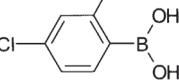
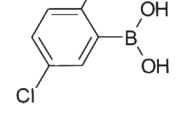
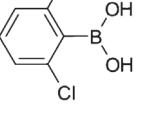
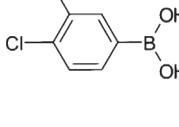
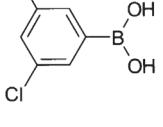
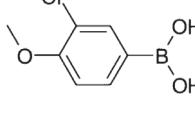
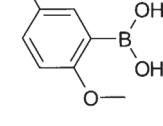
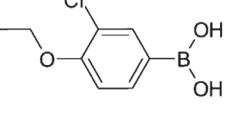
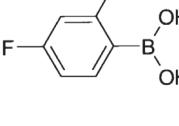
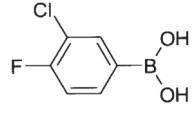
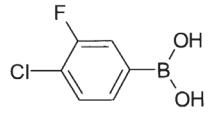
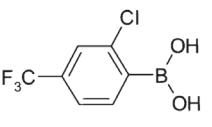
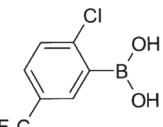
324-83351 1g
320-83353 5g

2-Methoxy-5-pyridineboronic Acid

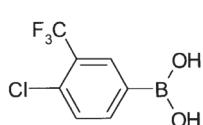


[163105-89-3]

326-57301 1g

2,6-Dimethoxy-3-pyridineboronic Acid  [221006-70-8] 329-76191 1g 325-76193 5g	Dihydroxyphenylborane  [98-80-6] 041-23371 10g	<i>p</i> -Phenylenediboronic Acid  [4612-26-4] 327-67341 1g 323-67343 5g	<i>o</i> -Bromophenylboronic Acid  [244205-40-1] 326-70501 5g 324-70502 25g
<i>m</i> -Bromophenylboronic Acid  [89598-96-9] 328-69571 1g 324-69573 5g	<i>p</i> -Bromophenylboronic Acid  [5467-74-3] 322-70461 1g 328-70463 5g	<i>o</i> -Chlorophenylboronic Acid  [3900-89-8] 321-63341 1g 327-63343 5g	<i>m</i> -Chlorophenylboronic Acid  [63503-60-6] 327-64161 1g 323-64163 5g
<i>p</i> -Chlorophenylboronic Acid  [1679-18-1] 320-63311 5g 328-63312 25g	3-Chloro-4-methylphenylboronic Acid  [175883-63-3] 320-84931 1g	2,3-Dichlorophenylboronic Acid  [151169-74-3] 326-70481 5g 324-70482 25g	2,4-Dichlorophenylboronic Acid  [68716-47-2] 325-64081 1g 321-64083 5g
2,5-Dichlorophenylboronic Acid  [135145-90-3] 324-69551 1g 320-69553 5g	2,6-Dichlorophenylboronic Acid  [73852-17-2] 328-77021 1g 324-77023 5g	3,4-Dichlorophenylboronic Acid  [151169-75-4] 328-70201 5g 326-70202 25g	3,5-Dichlorophenylboronic Acid  [67492-50-6] 328-70181 5g 326-70182 25g
3-Chloro-4-methoxyphenylboronic Acid  [175883-60-0] 321-88121 1g 327-88123 5g	5-Chloro-2-methoxyphenylboronic Acid  [89694-48-4] 320-83331 5g 328-83332 25g	3-Chloro-4-ethoxyphenylboronic Acid  [279261-81-3] 325-84861 1g 321-84863 5g	2-Chloro-4-fluorophenylboronic Acid  [313545-72-1] 329-84881 1g
3-Chloro-4-fluorophenylboronic Acid  [144432-85-9] 323-70511 1g 329-70513 5g	4-Chloro-3-fluorophenylboronic Acid  [137504-86-0] 320-67331 1g	2-Chloro-4-trifluoromethylphenylboronic Acid  [254993-59-4] 321-76151 1g	2-Chloro-5-(trifluoromethyl)phenylboronic Acid  [182344-18-9] 329-84901 1g

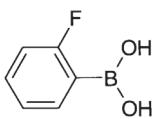
4-Chloro-3-(trifluoromethyl)phenylboronic Acid



[176976-42-4]

326-84911 500mg

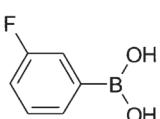
o-Fluorophenylboronic Acid



[1993-03-9]

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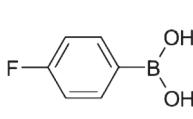
m-Fluorophenylboronic Acid



[768-35-4]

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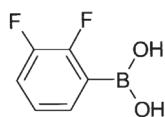
p-Fluorophenylboronic Acid



[1765-93-1]

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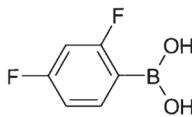
2,3-Difluorophenylboronic Acid



[121219-16-7]

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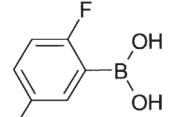
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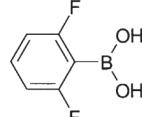
2,5-Difluorophenylboronic Acid



[193353-34-3]

329-80361 5g
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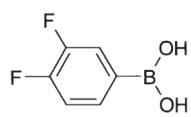
2,6-Difluorophenylboronic Acid



[162101-25-9]

329-70471 1g
325-70473 5g

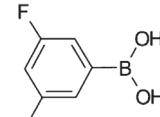
3,4-Difluorophenylboronic Acid



[168267-41-2]

329-75971 5g
327-75972 25g

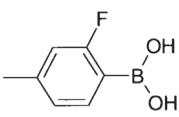
3,5-Difluorophenylboronic Acid



[156545-07-2]

322-77041 5g
320-77042 25g

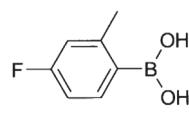
2-Fluoro-4-methylphenylboronic Acid



[170981-26-7]

327-83341 1g
323-83343 5g

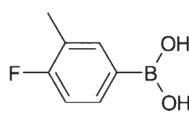
(4-Fluoro-2-methylphenyl)boronic Acid



[139911-29-8]

328-69071 1g
324-69073 5g

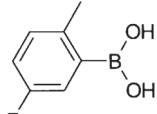
4-Fluoro-3-methylphenylboronic Acid



[139911-27-6]

325-80341 5g
323-80342 25g

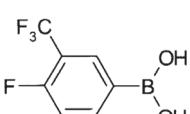
5-Fluoro-2-methylphenylboronic Acid



[163517-62-2]

321-84961 1g
327-84963 5g

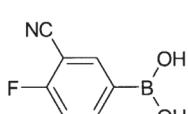
4-Fluoro-3-(trifluoromethyl)phenylboronic Acid



[182344-23-6]

328-83371 1g
324-83373 5g

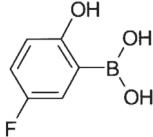
3-Cyano-4-fluorophenylboronic Acid



[214210-21-6]

328-76161 1g

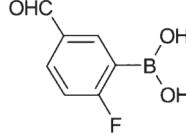
5-Fluoro-2-hydroxyphenylboronic Acid



[259209-20-6]

321-84101 1g
327-84103 5g

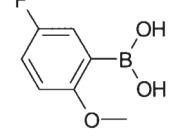
2-Fluoro-5-formylphenylboronic Acid



[352534-79-3]

324-84951 1g

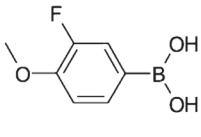
5-Fluoro-2-methoxyphenylboronic Acid



[179897-94-0]

328-79461 5g
326-79462 25g

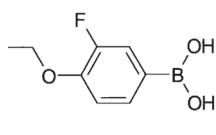
3-Fluoro-4-methoxyphenylboronic Acid



[149507-26-6]

322-72161 1g
328-72163 5g

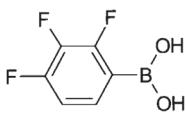
4-Ethoxy-3-fluorophenylboronic Acid



[279263-10-4]

326-84891 1g
322-84893 5g

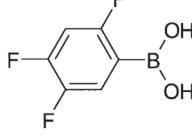
2,3,4-Trifluorophenylboronic Acid



[226396-32-3]

324-82251 1g
320-82253 5g

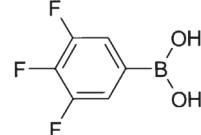
2,4,5-Trifluorophenylboronic Acid



[247564-72-3]

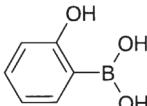
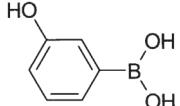
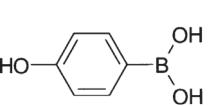
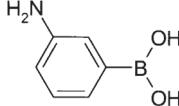
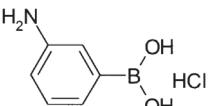
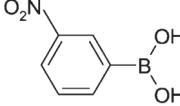
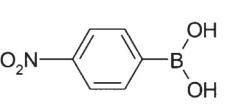
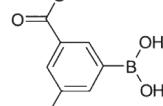
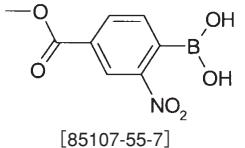
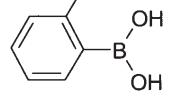
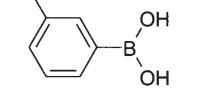
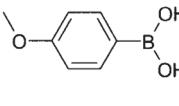
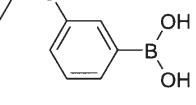
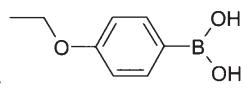
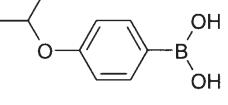
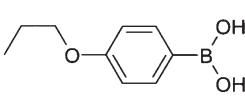
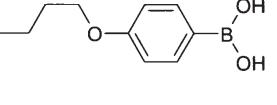
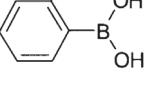
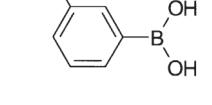
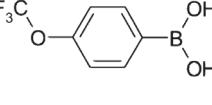
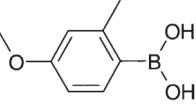
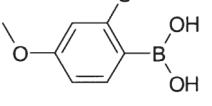
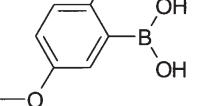
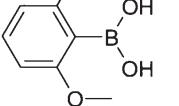
329-72791 1g
325-72793 5g

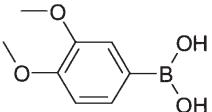
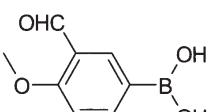
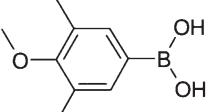
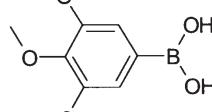
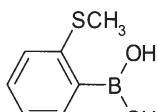
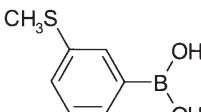
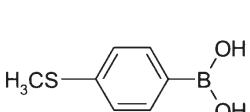
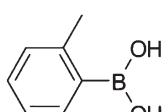
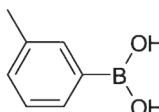
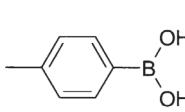
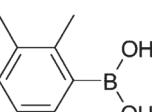
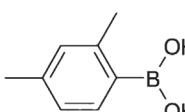
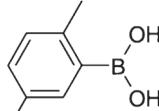
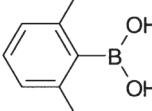
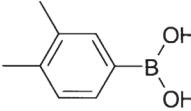
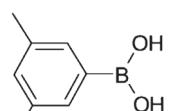
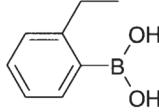
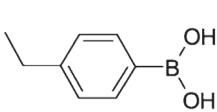
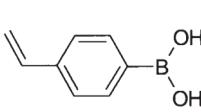
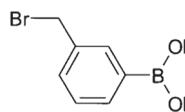
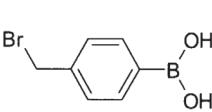
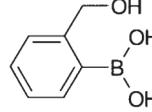
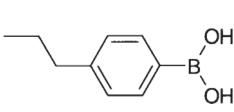
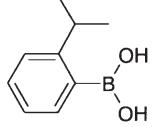
3,4,5-Trifluorophenylboronic Acid

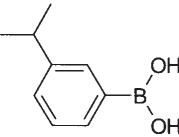
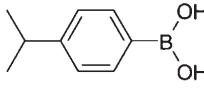
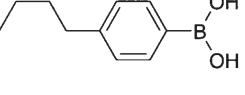
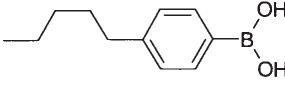
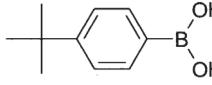
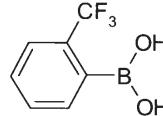
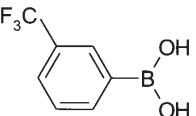
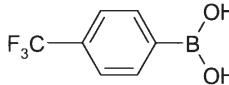
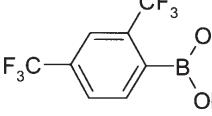
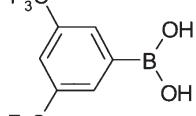
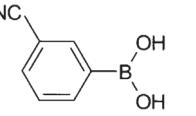
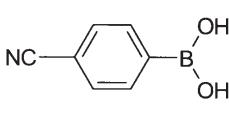
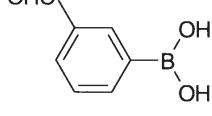
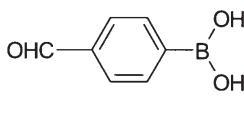
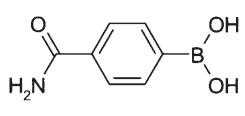
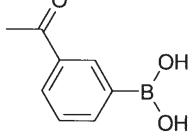
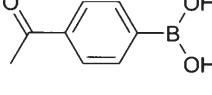
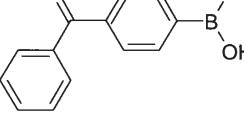
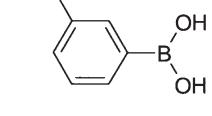
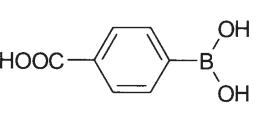
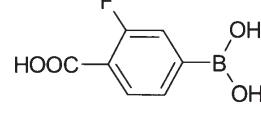
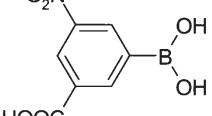
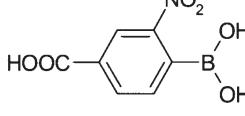


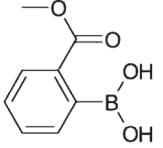
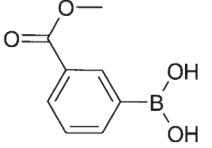
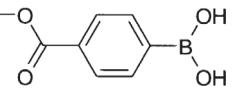
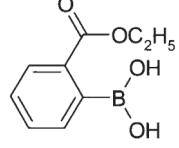
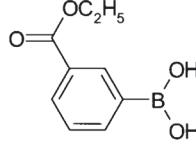
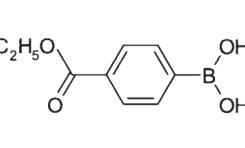
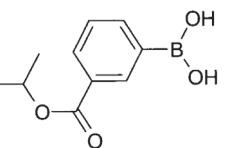
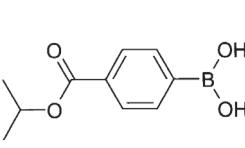
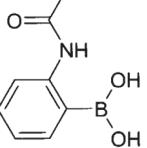
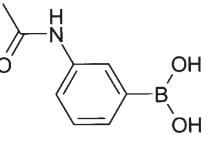
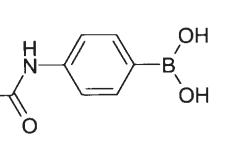
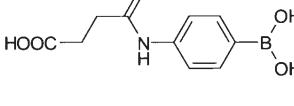
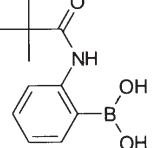
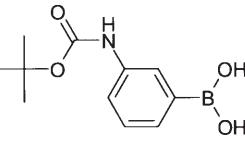
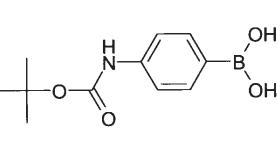
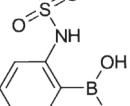
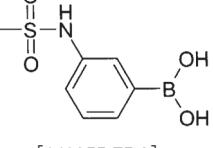
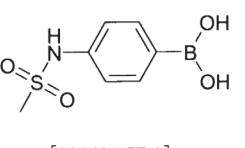
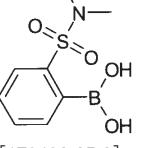
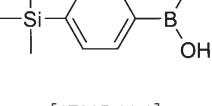
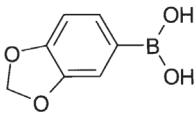
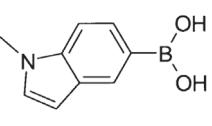
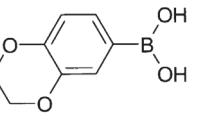
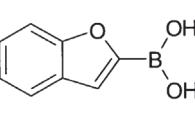
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328-63471 1g
324-63473 5g

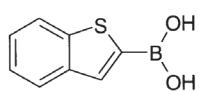
<i>o</i> -Hydroxyphenylboronic Acid	<i>m</i> -Hydroxyphenylboronic Acid	(<i>p</i> -Hydroxyphenyl) boronic Acid	<i>m</i> -Aminophenylboronic Acid
 [89466-08-0]	 [87199-18-6]	 [71597-85-8]	 [30418-59-8]
323-72951 329-72953	1g 5g	323-72191 329-72193	1g 5g
<i>m</i> -Aminophenylboronic Acid Hydrochloride	<i>m</i> -Nitrophenylboronic Acid	<i>p</i> -Nitrophenylboronic Acid	3-Methoxycarbonyl-5-nitrophenylboronic Acid
 [85006-23-1]	 [13331-27-6]	 [24067-17-2]	 [117342-20-8]
321-69061 327-69063	1g 5g	324-59801 320-59803	1g 5g
4-Methoxycarbonyl-2-nitrophenylboronic Acid	<i>o</i> -Methoxyphenylboronic Acid	<i>m</i> -Methoxyphenylboronic Acid	<i>p</i> -Methoxyphenylboronic Acid
 [85107-55-7]	 [5720-06-9]	 [10365-98-7]	 [5720-07-0]
329-85001	1g	327-63321 325-63322	5g 25g
321-69201 329-69202	5g 25g		
<i>m</i> -Ethoxyphenylboronic Acid	<i>p</i> -Ethoxyphenylboronic Acid	<i>p</i> -Isopropoxyphenylboronic Acid	<i>p</i> -Propoxyphenylboronic Acid
 [90555-66-1]	 [22237-13-4]	 [153624-46-5]	 [186497-67-6]
320-84791 326-84793	1g 5g	322-82171 320-82172	5g 25g
324-88111 322-88112	5g 25g		
<i>p</i> -Butoxyphenylboronic Acid	<i>o</i> -(Trifluoromethoxy)phenylboronic Acid	<i>m</i> -(Trifluoromethoxy)phenylboronic Acid	<i>p</i> -(Trifluoromethoxy)phenylboronic Acid
 [105365-51-3]	 [175676-65-0]	 [179113-90-7]	 [139301-27-2]
324-88091 320-88093	1g 5g	324-73461 320-73463	1g 5g
321-83361 327-83363	1g 5g		
4-Methoxy-2-methylphenylboronic Acid	2,4-Dimethoxyphenylboronic Acid	2,5-Dimethoxyphenylboronic Acid	2,6-Dimethoxyphenylboronic Acid
 [208399-66-0]	 [133730-34-4]	 [107099-99-0]	 [23112-96-1]
326-84391 322-84393	1g 5g	327-70531 323-70533	1g 5g
328-80331 326-80332	5g 25g	325-70191 323-70192	5g 25g

3,4-Dimethoxyphenylboronic Acid  [122775-35-3]	3-Formyl-4-methoxyphenylboronic Acid  [121124-97-8]	3,5-Dimethyl-4-methoxyphenylboronic Acid  [301699-39-8]	3,4,5-Trimethoxyphenylboronic Acid  [182163-96-8]
320-70521 5g 328-70522 25g	321-72991 5g 329-72992 25g	322-85471 1g 328-85473 5g	327-73451 1g
<i>o</i> -(Methylthio)phenylboronic Acid  [168618-42-6]	<i>m</i> -(Methylthio)phenylboronic Acid  [128312-11-8]	<i>p</i> -(Methylthio)phenylboronic Acid  [98546-51-1]	<i>o</i> -Methylphenylboronic Acid  [16419-60-6]
320-84431 1g 326-84433 5g	322-69091 1g 328-69093 5g	321-41481 1g 327-41483 5g	328-41491 1g 324-41493 5g
<i>m</i> -Methylphenylboronic Acid  [17933-03-8]	<i>p</i> -Methylphenylboronic Acid  [5720-05-8]	2,3-Dimethylphenylboronic Acid  [183158-34-1]	2,4-Dimethylphenylboronic Acid  [55499-44-0]
321-41501 1g 327-41503 5g	323-63301 5g 321-63302 25g	323-70491 5g 321-70492 25g	321-77011 1g 327-77013 5g
2,5-Dimethylphenylboronic Acid  [85199-06-0]	2,6-Dimethylphenylboronic Acid  [100379-00-8]	3,4-Dimethylbenzeneboronic Acid  [55499-43-9]	3,5-Dimethylphenylboronic Acid  [172975-69-8]
325-77031 1g 321-77033 5g	325-72151 1g 321-72153 5g	325-53731 1g 321-53733 5g	322-80351 5g 320-80352 25g
<i>o</i> -Ethylphenylboronic Acid  [90002-36-1]	<i>p</i> -Ethylphenylboronic Acid  [63139-21-9]	<i>p</i> -Vinylphenylboronic Acid  [2156-04-9]	<i>m</i> -(Bromomethyl)phenylboronic Acid  [51323-43-4]
327-88081 1g 323-88083 5g	328-73481 5g 326-73482 25g	329-84401 1g 325-84403 5g	323-84801 1g 329-84803 5g
<i>p</i> -(Bromomethyl)phenylboronic Acid  [68162-47-0]	<i>o</i> -(Hydroxymethyl)phenylboronic Acid  [87199-14-2]	<i>p</i> -Propylphenylboronic Acid  [134150-01-9]	<i>o</i> -Isopropylphenylboronic Acid  [89787-12-2]
320-84811 1g 326-84813 5g	328-84971 1g 324-84973 5g	323-73431 1g 329-73433 5g	322-84991 100mg 328-84993 500mg

<i>m</i> -Isopropylphenylboronic Acid	<i>p</i> -Isopropylphenylboronic Acid	4- <i>n</i> -Butylbenzeneboronic Acid	<i>p</i> -Pentylphenylboronic Acid
 [216019-28-2]	 [16152-51-5]	 [145240-28-4]	 [121219-12-3]
325-84981 100mg 321-84983 500mg	321-77991 1g 327-77993 5g	326-54501 1g 322-54503 5g	324-84831 100mg 320-84833 500mg
<i>p</i> - <i>t</i> -Butylphenylboronic Acid	<i>o</i> -Trifluoromethylphenylboronic Acid	<i>m</i> -(Trifluoromethyl) phenylboronic Acid	<i>p</i> -(Trifluoromethyl) phenylboronic Acid
 [123324-71-0]	 [1423-27-4]	 [1423-26-3]	 [128796-39-4]
322-64111 1g 328-64113 5g	328-76281 1g 324-76283 5g	328-41511 1g 324-41513 5g	325-41521 1g 321-41523 5g
2,4-Bis (trifluoromethyl) phenylboronic Acid	3,5-Bis (trifluoromethyl) phenylboronic Acid	<i>m</i> -Cyanophenylboronic Acid	<i>p</i> -Cyanophenylboronic Acid
 [153254-09-2]	 [73852-19-4]	 [150255-96-2]	 [126747-14-6]
327-84821 1g 323-84823 5g	320-63291 1g 326-63293 5g	326-20931 5g 324-20932 25g	320-57061 1g 326-57063 5g
<i>m</i> -Formylphenylboronic Acid	<i>p</i> -Formylphenylboronic Acid	<i>p</i> -(Aminocarbonyl) phenylboronic Acid	<i>m</i> -Acetylphenylboronic Acid
 [87199-16-4]	 [87199-17-5]	 [123088-59-5]	 [204841-19-0]
327-57211 1g 323-57213 5g 325-57212 25g	324-57221 1g 320-57223 5g	320-76121 1g 326-76123 5g	324-70541 5g 322-70542 25g
<i>p</i> -Acetylphenylboronic Acid	(<i>p</i> -Benzoylphenyl) boronic Acid	<i>m</i> -Carboxyphenylboronic Acid	
 [149104-90-5]	 [268218-94-6]	 [25487-66-5]	
323-64141 1g 329-64143 5g	320-68311 1g	323-57051 1g 329-57053 5g	
<i>p</i> -Carboxyphenylboronic Acid	4-Carboxy-3-fluorophenylboronic Acid	3-Carboxy-5-nitrophenylboronic Acid	4-Carboxy-2-nitrophenylboronic Acid
 [14047-29-1]	 [120153-08-4]	 [101084-81-5]	 [85107-54-6]
320-41451 1g 326-41453 5g	323-84921 1g	321-84841 1g	328-84851 1g

<i>o</i> -(Methoxycarbonyl) phenylboronic Acid  [374538-03-1] 329-76211 1g 325-76213 5g	<i>m</i> -(Methoxycarbonyl) phenylboronic Acid  [99769-19-4] 326-57281 1g 322-57283 5g	<i>p</i> -(Methoxycarbonyl) phenylboronic Acid  [99768-12-4] 323-57291 1g 329-57293 5g	<i>o</i> -Ethoxycarbonylphenylboronic Acid  [380430-53-5] 326-73421 1g 322-73423 5g
<i>m</i> -Ethoxycarbonylphenylboronic Acid  [4334-87-6] 329-57151 1g 325-57153 5g	<i>p</i> -Ethoxycarbonylphenylboronic Acid  [4334-88-7] 326-57161 1g 322-57163 5g	<i>m</i> -(Isopropoxycarbonyl) phenylboronic Acid  [342002-80-6] 325-74091 1g 321-74093 5g	<i>p</i> -(Isopropoxycarbonyl) phenylboronic Acid  [342002-82-8] 322-72781 1g 328-72783 5g
<i>o</i> -Acetamidophenylboronic Acid  [169760-16-1] 329-56931 1g 325-56933 5g	<i>m</i> -Acetamidophenylboronic Acid  [78887-39-5] 322-52141 1g 328-52143 5g	<i>p</i> -Acetamidophenylboronic Acid  [101251-09-6] 326-56941 1g 322-56943 5g	<i>N</i> -(4-Boronophenyl) succinamic Acid  [480424-95-1] 328-59821 1g 324-59823 5g
<i>o</i> -(Pivaloylamino) phenylboronic Acid  [146140-95-6] 321-57111 1g 327-57113 5g	<i>o</i> -(BOC-amino) phenylboronic Acid  [380430-68-2] 323-52311 1g 329-52313 5g	<i>o</i> -(BOC-amino) phenylboronic Acid  [380430-49-9] 320-52321 1g	<i>o</i> -N-(Methanesulfonamide)-phenylboronic Acid  [325-57251 1g 321-57253 5g]
<i>o</i> -N-(Methanesulfonamide)-phenylboronic Acid  [148355-75-3] 322-57261 1g 328-57263 5g	<i>o</i> -N-(Methanesulfonamide)-phenylboronic Acid  [380430-57-9] 329-57271 1g 325-57273 5g	<i>o</i> -[(Dimethylamino)sulfonyl] phenylboronic Acid  [178432-25-2] 327-68321 1g	<i>p</i> -(Trimethylsilyl) phenylboronic Acid  [17865-11-1] 328-85331 1g 324-85333 5g
<i>3,4</i> -(Methylenedioxy) phenylboronic Acid  [94839-07-3] 322-57381 1g 328-57383 5g	1-Methyl-5-indoleboronic Acid  [192182-55-1] 323-77211 1g	(1,4-Benzodioxan-6-yl) boronic Acid  [164014-95-3] 323-56951 1g 329-56953 5g	2-Benzofuranboronic Acid  [98437-24-2] 322-84371 1g 328-84373 5g

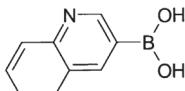
Benzo[b]thiophene-2-boronic Acid



[98437-23-1]

329-64121 1g
325-64123 5g

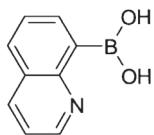
3-Quinolineboronic Acid



[191162-39-7]

328-74101 1g
324-74103 5g

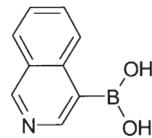
8-Quinolineboronic Acid



[86-58-8]

327-77111 1g
323-77113 5g

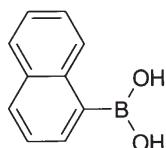
4-Isoquinolineboronic Acid



[192182-56-2]

329-63381 1g

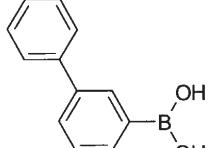
1-Naphthaleneboronic Acid



[13922-41-3]

326-63391 1g
322-63393 5g

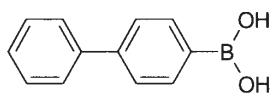
3-Biphenylboronic Acid



[5122-95-2]

328-82151 1g
324-82153 5g

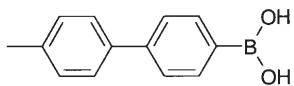
4-Biphenylboronic Acid



[5122-94-1]

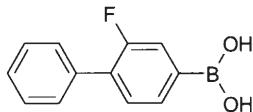
328-59441 5g
326-59442 25g

4'-Methyl-4-biphenylboronic Acid



328-24391 1g

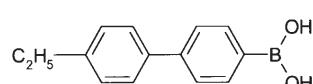
2-Fluoro-4-biphenylboronic Acid



[178305-99-2]

327-88101 1g
323-88103 5g

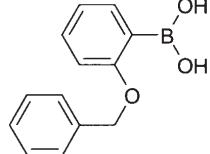
4'-Ethyl-4-biphenylboronic Acid



[153035-62-2]

321-24401 1g

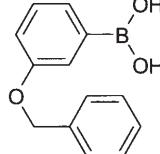
o-Benzoyloxyphenylboronic Acid



[190661-29-1]

329-77171 1g
325-77173 5g

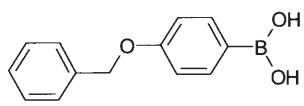
m-Benzoyloxyphenylboronic Acid



[156682-54-1]

326-77181 1g
322-77183 5g

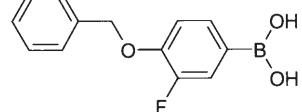
p-Benzoyloxyphenylboronic Acid



[146631-00-7]

329-84381 1g
325-84383 5g

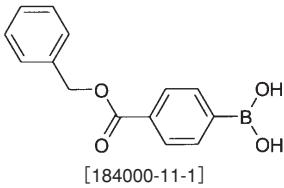
4-Benzylxyloxy-3-fluorophenylboronic Acid



[133057-83-7]

323-84421 1g
329-84423 5g

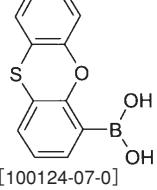
p-Benzoxycarbonylphenylboronic Acid



[184000-11-1]

327-84441 1g
323-84443 5g

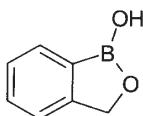
4-Phenoxathiinboronic Acid



323-67321 1g

BORONIC ACIDS ESTERS

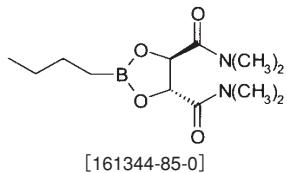
2-(Hydroxymethyl) phenylboronic Acid
Cyclic Monoester



[5735-41-1]

326-72941 1g
322-72943 5g

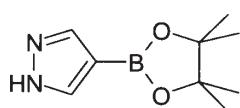
2-Butyl-*N,N,N',N'*-tetramethyl-1,3,2-dioxaborolane-(4*R,5R*)-dicarboxamide



[161344-85-0]

321-52351 1g
327-52353 5g

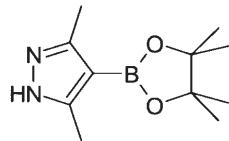
4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)-1*H*-pyrazole



[269410-08-4]

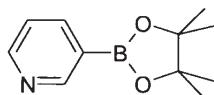
324-60151 1g
320-60153 5g

3,5-Dimethyl-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1*H*-pyrazole



322-57141 1g
328-57143 5g

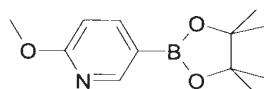
3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)pyridine



[329214-79-1]

328-60171 1g
324-60173 5g

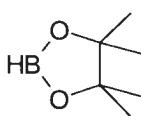
2-Methoxy-5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)pyridine



[445264-61-9]

327-57331 1g

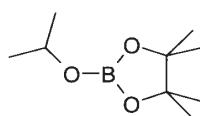
4,4,5,5-Tetramethyl-1,3,2-dioxaborolane



[25015-63-8]

325-59831 5g
323-59832 25g

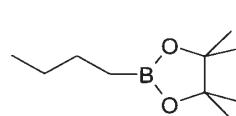
2-Isopropoxy-4,4,5,5-tetramethyl-1,3,2-dioxaborolane



[61676-62-8]

327-41461 5g
325-41462 25g

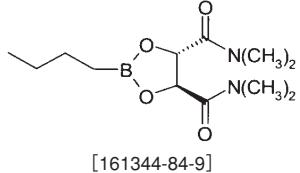
2-Butyl-4,4,5,5-tetramethyl-1,3,2-dioxaborolane



[69190-62-1]

324-56981 1g
320-56983 5g

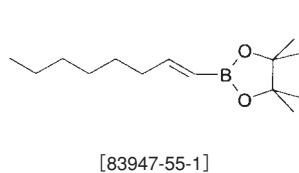
2-Butyl-*N,N,N',N'*-tetramethyl-1,3,2-dioxaborolane-(4*S,5S*)-dicarboxamide



[161344-84-9]

328-52361 1g
324-52363 5g

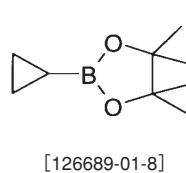
trans-4,4,5,5-Tetramethyl-2-(1-octenyl)-1,3,2-dioxaborolane



[83947-55-1]

322-60211 1g
328-60213 5g

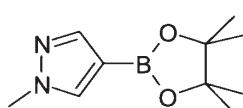
2-Cyclopropyl-4,4,5,5-tetramethyl-1,3,2-dioxaborolane



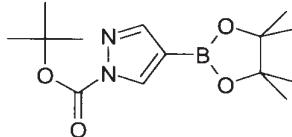
[126689-01-8]

322-76181 1g

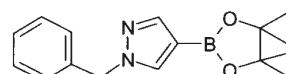
1-Methyl-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1*H*-pyrazole



1-BOC-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)pyrazole



1-Benzyl-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1*H*-pyrazole



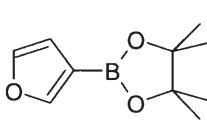
[269410-08-4]

326-57421 1g
322-57423 5g

321-60161 1g
327-60163 5g

323-77191 1g
329-77193 5g

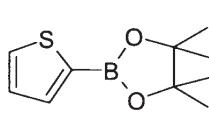
3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)furan



[248924-59-6]

326-59981 1g
322-59983 5g

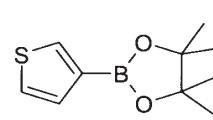
2-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)thiophene



[193978-23-3]

323-63421 1g
329-63423 5g

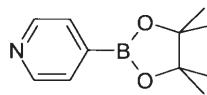
3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)thiophene



[214360-70-0]

320-63431 1g
326-63433 5g

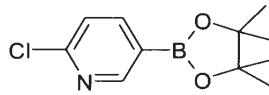
4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)pyridine



[181219-01-2]

325-60181 1g
321-60183 5g

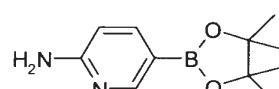
2-Chloro-5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)pyridine



[444120-94-9]

324-76141 1g
320-76143 5g

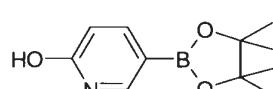
2-Amino-5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)pyridine



[445264-61-9]

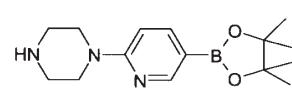
322-77161 1g
328-77163 5g

2-Hydroxy-5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)pyridine



327-77231 1g

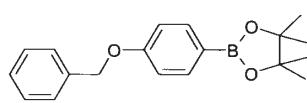
1-[5-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)pyridin-2-yl]piperazine



321-76271 1g
327-76273 5g

<p>4-[5-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)pyridin-2-yl]morpholine</p> <p>[485799-04-0]</p> <table border="1"> <tr> <td>324-76261</td> <td>1g</td> </tr> <tr> <td>320-76263</td> <td>5g</td> </tr> </table>	324-76261	1g	320-76263	5g	<p>1-Methyl-4-[4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)pyridin-2-yl]piperazine</p> <p>320-76241 1g</p>	<p>1-[4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)pyridin-2-yl]piperazine</p> <p>324-77241 1g</p>	<p>2-Amino-5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)pyrimidine</p> <p>321-77251 1g</p>												
324-76261	1g																		
320-76263	5g																		
<p>2,6-Dimethoxy-5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)pyrimidine</p> <p>[24388-23-6]</p> <table border="1"> <tr> <td>322-76201</td> <td>1g</td> </tr> <tr> <td>328-76203</td> <td>5g</td> </tr> </table>	322-76201	1g	328-76203	5g	<p>(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)benzene</p> <p>[195062-61-4]</p> <table border="1"> <tr> <td>327-59911</td> <td>5g</td> </tr> <tr> <td>325-59912</td> <td>25g</td> </tr> </table>	327-59911	5g	325-59912	25g	<p>4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)chlorobenzene</p> <p>[401797-02-2]</p> <table border="1"> <tr> <td>325-63361</td> <td>5g</td> </tr> <tr> <td>323-63362</td> <td>25g</td> </tr> </table>	325-63361	5g	323-63362	25g	<p>2-(3,4-Dichlorophenyl)-4,4,5,5-tetramethyl-1,3,2-dioxaborolane</p> <p>[401797-02-2]</p> <table border="1"> <tr> <td>325-63361</td> <td>5g</td> </tr> <tr> <td>323-63362</td> <td>25g</td> </tr> </table>	325-63361	5g	323-63362	25g
322-76201	1g																		
328-76203	5g																		
327-59911	5g																		
325-59912	25g																		
325-63361	5g																		
323-63362	25g																		
325-63361	5g																		
323-63362	25g																		
<p>4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)fluorobenzene</p> <p>[214360-58-4]</p> <table border="1"> <tr> <td>329-59971</td> <td>1g</td> </tr> <tr> <td>325-59973</td> <td>5g</td> </tr> </table>	329-59971	1g	325-59973	5g	<p>2-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)-1,5-difluorobenzene</p> <p>[288101-48-4]</p> <table border="1"> <tr> <td>322-59961</td> <td>5g</td> </tr> <tr> <td>320-59962</td> <td>25g</td> </tr> </table>	322-59961	5g	320-59962	25g	<p>2-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)aniline</p> <p>[191171-55-8]</p> <table border="1"> <tr> <td>320-59881</td> <td>1g</td> </tr> <tr> <td>326-59883</td> <td>5g</td> </tr> </table>	320-59881	1g	326-59883	5g	<p>3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)aniline</p> <p>[210907-84-9]</p> <table border="1"> <tr> <td>327-59891</td> <td>1g</td> </tr> <tr> <td>323-59893</td> <td>5g</td> </tr> </table>	327-59891	1g	323-59893	5g
329-59971	1g																		
325-59973	5g																		
322-59961	5g																		
320-59962	25g																		
320-59881	1g																		
326-59883	5g																		
327-59891	1g																		
323-59893	5g																		
<p>4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)aniline</p> <p>[214360-73-3]</p> <table border="1"> <tr> <td>320-59901</td> <td>1g</td> </tr> <tr> <td>326-59903</td> <td>5g</td> </tr> </table>	320-59901	1g	326-59903	5g	<p>N,N-Dimethyl[4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]amine</p> <p>[171364-78-6]</p> <table border="1"> <tr> <td>325-82161</td> <td>1g</td> </tr> <tr> <td>321-82163</td> <td>5g</td> </tr> </table>	325-82161	1g	321-82163	5g	<p>2-Methoxy-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)aniline</p> <p>[461699-81-0]</p> <table border="1"> <tr> <td>329-82201</td> <td>1g</td> </tr> <tr> <td>325-82203</td> <td>5g</td> </tr> </table>	329-82201	1g	325-82203	5g	<p>2-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)nitrobenzene</p> <p>[190788-59-1]</p> <table border="1"> <tr> <td>323-60001</td> <td>1g</td> </tr> <tr> <td>329-60003</td> <td>5g</td> </tr> </table>	323-60001	1g	329-60003	5g
320-59901	1g																		
326-59903	5g																		
325-82161	1g																		
321-82163	5g																		
329-82201	1g																		
325-82203	5g																		
323-60001	1g																		
329-60003	5g																		
<p>3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)nitrobenzene</p> <p>[68716-48-3]</p> <table border="1"> <tr> <td>320-60011</td> <td>1g</td> </tr> <tr> <td>326-60013</td> <td>5g</td> </tr> </table>	320-60011	1g	326-60013	5g	<p>4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)nitrobenzene</p> <p>[171364-83-3]</p> <table border="1"> <tr> <td>327-60021</td> <td>1g</td> </tr> <tr> <td>323-60023</td> <td>5g</td> </tr> </table>	327-60021	1g	323-60023	5g	<p>2-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenol</p> <p>[269409-97-4]</p> <table border="1"> <tr> <td>324-60031</td> <td>1g</td> </tr> <tr> <td>320-60033</td> <td>5g</td> </tr> </table>	324-60031	1g	320-60033	5g	<p>3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenol</p> <p>[214360-76-6]</p> <table border="1"> <tr> <td>321-60041</td> <td>1g</td> </tr> <tr> <td>327-60043</td> <td>5g</td> </tr> </table>	321-60041	1g	327-60043	5g
320-60011	1g																		
326-60013	5g																		
327-60021	1g																		
323-60023	5g																		
324-60031	1g																		
320-60033	5g																		
321-60041	1g																		
327-60043	5g																		
<p>4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenol</p> <p>[269409-70-3]</p> <table border="1"> <tr> <td>327-57451</td> <td>1g</td> </tr> <tr> <td>323-57453</td> <td>5g</td> </tr> </table>	327-57451	1g	323-57453	5g	<p>2-Methoxy-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)phenol</p> <p>[269410-22-2]</p> <table border="1"> <tr> <td>323-57311</td> <td>1g</td> </tr> <tr> <td>329-57313</td> <td>5g</td> </tr> </table>	323-57311	1g	329-57313	5g	<p>2,6-Dimethyl-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)phenol</p> <p>[269410-25-5]</p> <table border="1"> <tr> <td>328-57121</td> <td>1g</td> </tr> <tr> <td>324-57123</td> <td>5g</td> </tr> </table>	328-57121	1g	324-57123	5g	<p>2-(3-Benzylxylophenyl)-4,4,5,5-tetramethyl-1,3,2-dioxaborolane</p> <p>[321-82141</p> <table border="1"> <tr> <td>327-82143</td> <td>1g</td> </tr> <tr> <td>321-82141</td> <td>5g</td> </tr> </table>	327-82143	1g	321-82141	5g
327-57451	1g																		
323-57453	5g																		
323-57311	1g																		
329-57313	5g																		
328-57121	1g																		
324-57123	5g																		
327-82143	1g																		
321-82141	5g																		

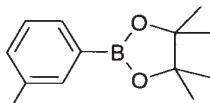
2-(4-Benzoyloxyphenyl)-4,4,5,5-tetramethyl-1,3,2-dioxaborolan



[754226-40-9]

327-76131 1g
323-76133 5g

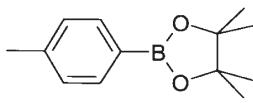
3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)toluene



[253342-48-2]

327-82241 1g
323-82243 5g

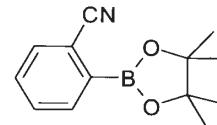
4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)toluene



[195062-57-8]

325-60201 1g
321-60203 5g

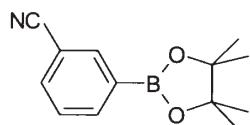
2-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)benzonitrile



[214360-48-2]

320-82231 1g
326-82233 5g

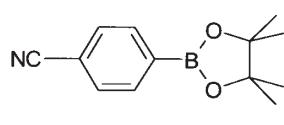
3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)benzonitrile



[214360-46-0]

321-59931 1g
327-59933 5g

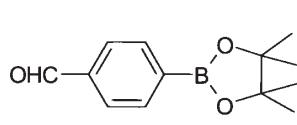
4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)benzonitrile



[171364-82-2]

328-59941 1g
324-59943 5g

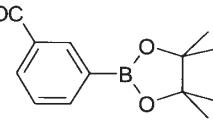
4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)benzaldehyde



[128376-64-7]

320-86131 1g
326-86133 5g

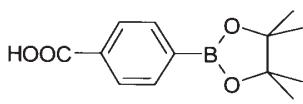
3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)benzoic Acid



[269409-73-6]

324-59921 1g
320-59923 5g

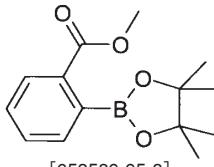
4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)benzoic Acid



[180516-87-4]

320-57441 1g
326-57443 5g

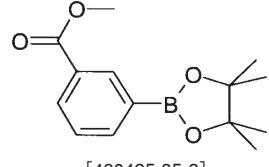
Methyl 2-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)benzoate



[653589-95-8]

323-82221 1g
329-82223 5g

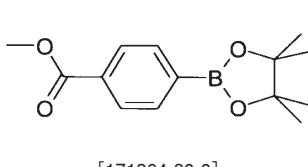
Methyl 3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)benzoate



[480425-35-2]

322-57401 1g
328-57403 5g

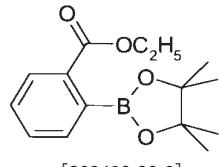
Methyl 4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)benzoate



[171364-80-0]

329-57411 1g
325-57413 5g

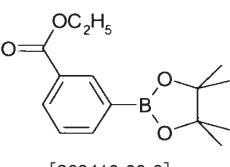
Ethyl 2-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)benzoate



[269409-99-6]

323-57171 1g
329-57173 5g

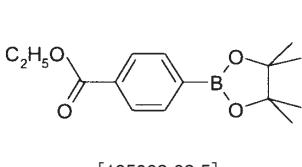
Ethyl 3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)benzoate



[269410-00-6]

320-57181 1g
326-57183 5g

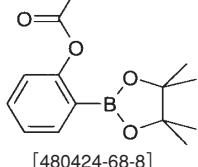
Ethyl 4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)benzoate



[195062-62-5]

327-57191 1g
323-57193 5g

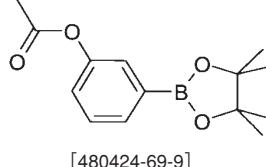
2-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl Acetate



[480424-68-8]

328-60051 1g
324-60053 5g

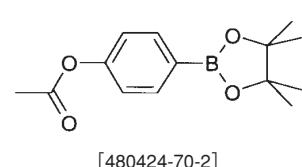
3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl Acetate



[480424-69-9]

325-60061 1g
321-60063 5g

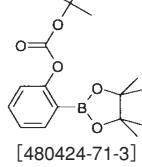
4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl Acetate



[480424-70-2]

322-60071 1g
328-60073 5g

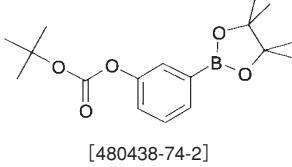
t-Butyl 2-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl Carbonate



[480424-71-3]

322-57021 1g
328-57023 5g

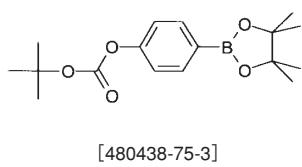
t-Butyl 3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl Carbonate



[480438-74-2]

329-57031 1g
325-57033 5g

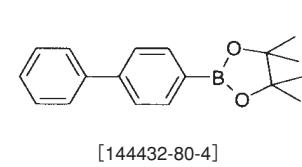
t-Butyl 4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl Carbonate



[480438-75-3]

326-57041 1g
322-57043 5g

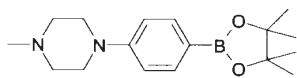
4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)biphenyl



[144432-80-4]

326-87451 1g
322-87453 5g

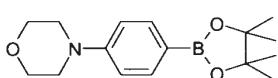
1-Methyl-4-[4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]piperazine



[747413-21-4]

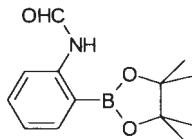
323-76231 1g
329-76233 5g

4-[4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]morpholine



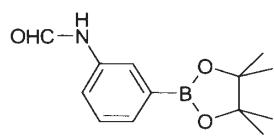
320-77221 1g

N-[2-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]formamide



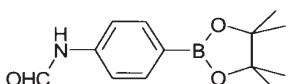
[480425-36-3]

N-[3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]formamide



[480425-37-4]

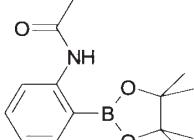
N-[4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]formamide



[480424-94-0]

329-60101 1g
325-60103 5g

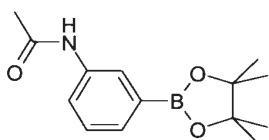
2-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)acetanilide



[380430-61-5]

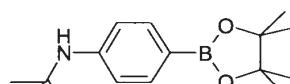
326-59861 1g
322-59863 5g

3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)acetanilide



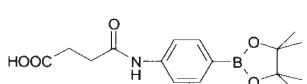
[480424-93-9]

4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)acetanilide



[214360-60-8]

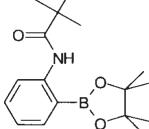
N-[4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]succinamic Acid



[480424-98-4]

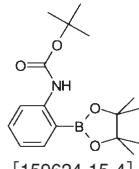
327-60141 1g
323-60143 5g

2,2-Dimethyl-N-[2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]-propionamide



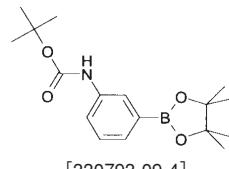
325-57131 1g
321-57133 5g

t-Butyl N-[2-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl] carbamate



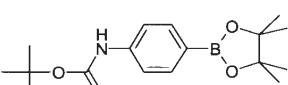
[159624-15-4]

t-Butyl N-[3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl] carbamate



[330793-09-4]

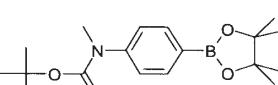
t-Butyl N-[4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl] carbamate



[330793-01-6]

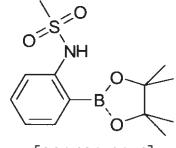
325-57011 1g
321-57013 5g

N-BOC-N-methyl-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-aniline



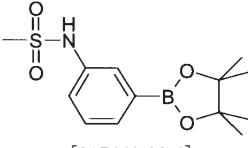
322-52381 1g
328-52383 5g

N-[2-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]-methanesulfonamide



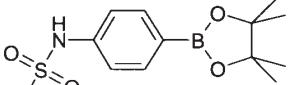
[380430-60-4]

N-[3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]-methanesulfonamide



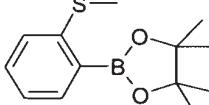
[305448-92-4]

N-[4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]-methanesulfonamide



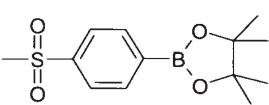
320-60131 1g
326-60133 5g

2-(2-Methylthiophenyl)-4,4,5,5-tetramethyl-1,3,2-dioxaborolane



326-82211 1g
322-82213 5g

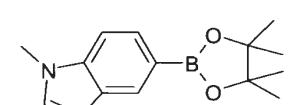
2-(4-Methylsulfonylphenyl)-4,4,5,5-tetramethyl-1,3,2-dioxaborolane



[603143-27-7]

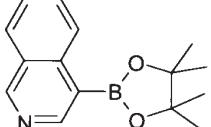
329-82181 1g
325-82183 5g

1-Methyl-5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1*H*-indole



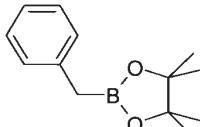
326-76221 1g
322-76223 5g

4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)isoquinoline



327-63441 1g

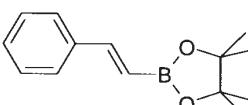
2-Benzyl-4,4,5,5-tetramethyl-1,3,2-dioxaborolane



[87100-28-5]

326-52161 1g
322-52163 5g

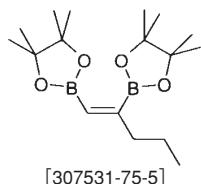
trans-2-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)styrene



[83947-56-2]

326-60191 1g
328-60193 5g

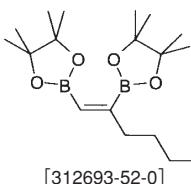
1-*cis*-1,2-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)pentene



[307531-75-5]

322-52261 1g
328-52263 5g

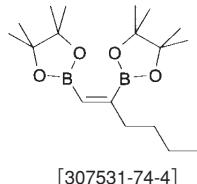
1-*cis*-1,2-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)hexene



[312693-52-0]

325-52251 1g
321-52253 5g

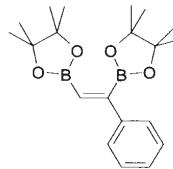
1-*cis*-1,2-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)heptene



[307531-74-4]

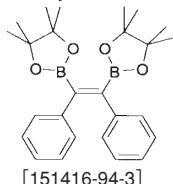
328-52241 1g
324-52243 5g

cis-1,2-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)styrene



326-52281 1g
322-52283 5g

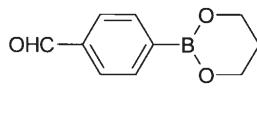
cis-1,2-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)stilbene



[151416-94-3]

329-52271 1g
325-52273 5g

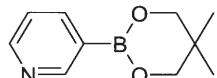
p-(1,3,2-Dioxaborinan-2-yl)benzaldehyde



[160068-88-2]

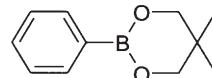
320-68291 1g
326-68293 5g

3-(5,5-Dimethyl-1,3,2-dioxaborinan-2-yl)pyridine



322-63371 1g
328-63373 5g

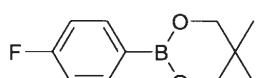
5,5-Dimethyl-2-phenyl-1,3,2-dioxaborinane



[5123-13-7]

321-57091 1g
327-57093 5g

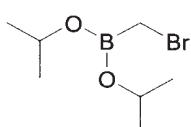
2-(4-Fluorophenyl)-5,5-dimethyl-1,3,2-dioxaborinane



[225916-39-2]

324-57081 1g
320-57083 5g

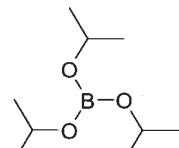
Diisopropyl (Bromomethyl)boronate



[137297-49-5]

323-68301 1g
329-68303 5g

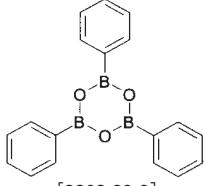
Triisopropyl Borate



[5419-55-6]

320-41532 25g
324-41535 500g

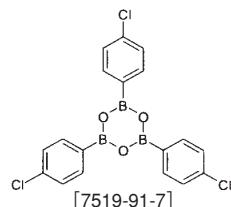
Triphenylboroxin



[3262-89-3]

322-26491 5g
320-26492 25g

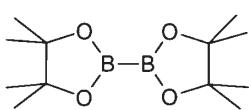
Tris(*p*-chlorophenyl)boroxin



326-26531 5g
324-26532 25g

DIBORON ESTERS

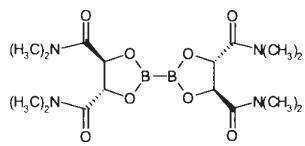
Bis(pinacolato)diboron



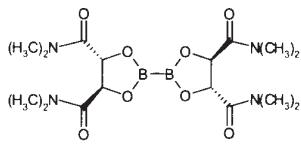
[73183-34-3]

327-56971 1g
323-56973 5g

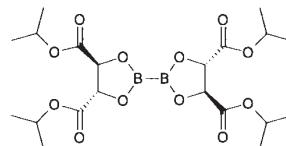
Bis(*N,N,N',N'*-tetramethyl-D-tartaramide glycolato)diboron



Bis(*N,N,N',N'*-tetramethyl-L-tartaramide glycolato)diboron



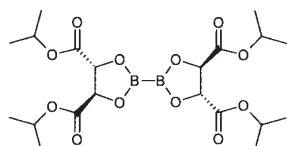
Bis(diisopropyl-D-tartrate glycolato)diboron



[230299-42-0]

327-52191 1g
323-52193 5g

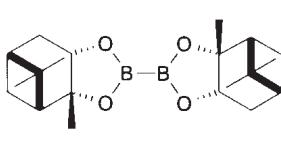
Bis(diisopropyl-L-tartrate glycolato)diboron



[230299-10-2]

320-52201 1g
326-52203 5g

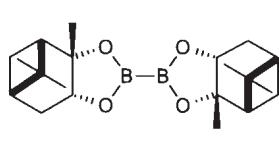
Bis[(-)-pinanediolato]diboron



[230299-17-9]

324-52221 1g
320-52223 5g

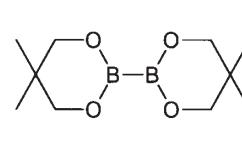
Bis[(+)-pinanediolato]diboron



[230299-05-5]

321-52231 1g
327-52233 5g

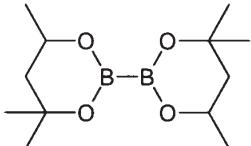
Bis(neopentylglycolato)diboron



[201733-56-4]

324-63331 1g
320-63333 5g

Bis(hexyleneglycolato)diboron



[230299-21-5]

327-52211 1g
323-52213 5g

PHASE TRANSFER CATALYST

Wako Cat. No.	Description	Package Size
205-04331		5g
203-04332		25g
207-04335	Tetrabutylammonium Bromide [1643-19-2]	500g

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<i>N</i> -(4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl)succinamic Acid	13-3
4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)-1 <i>H</i> -pyrazole	10-3
3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)pyridine	10-5
4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)pyridine	10-5
4-[5-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)pyridin-2-yl]morpholine	11-1
1-[4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)pyridin-2-yl]piperazine	11-1
1-[5-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)pyridin-2-yl]piperazine	10-6
<i>trans</i> -2-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)styrene	13-6
2-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)thiophene	10-4
3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)thiophene	10-4
3-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)toluene	12-1
4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)toluene	12-1
<i>trans</i> -4,4,5,5-Tetramethyl-2-(1-octenyl)-1,3,2-dioxaborolane	10-2
Triisopropyl Borate	14-3
Triphenylboroxin	14-3
Tris(p-chlorophenyl)boroxin	14-4

PALLADIUM CATALYSTS

Wako Cat. No.	Description	Package Size
024-12151	Bis(acetonitrile)dichloropalladium(II)	[14592-56-4] 1g
026-10891	Bis(acetylacetonato)palladium(II)	[14024-61-4] 1g
027-12141	Bis(benzonitrile)dichloropalladium(II)	[14220-64-5] 1g
329-42021	Bis(dibenzylideneacetone)palladium(0)	[32005-36-0] 1g
321-27821	[1,1'-Bis(diphenylphosphino)ferrocene]dichloropalladium(II), Dichloromethane Adduct [PdCl ₂ (dppt)]	[72287-26-4] 1g 5g
327-27823		
329-37751	Bis(ethylenediamine)palladium(II) Chloride	[13963-53-6] 500mg
323-40961	Diamminedichloropalladium(II)	[14323-43-4] 500mg
040-24061	Dichloro(η -cycloocta-1,5-diene)palladium(II)	[12107-56-1] 1g
040-22481	trans-Dichlorobis(triphenylphosphine)palladium(II)	[13965-03-2] 1g
046-22483		5g
048-24241	Di- μ -chlorobis([η -allyl)palladium(II)]	[12012-95-2] 1g
324-56621	FibreCat®1001※	1g
320-56623	[Palladium(II) Acetate-Triphenylphosphine PE fibres]	Pd content : 2.7 ~ 4% 5g
321-56631	FibreCat®1007※	1g
327-56633	[Palladium(II) Acetate-Dicyclohexylphenylphosphine PE fibres]	Pd content : 3 ~ 4% 5g
328-56641	FibreCat®1026※	1g
324-56643	[Acetonitrile Dichloropalladium(II)-Triphenylphosphine PE fibres]	Pd content : 3.5 ~ 4.5% 5g
163-07141		1g
169-07143	Palladium(II) Acetate	[3375-31-3] 5g
161-07142		25g
163-13871	Palladium-Alumina (Pd:5%)	[7440-05-3] 10g
160-13881	Palladium-Barium Carbonate (Pd:5%)	
167-13891	Palladium-Barium Sulfate (Pd:5%)	
169-00041	Palladium Black	[7440-05-3] 1g
322-37741	Palladium(II) Bromide	[13444-94-5] 1g
160-13901	Palladium-Calcium Carbonate, Lindlar Catalyst (Pd:5%)	10g
163-07543		5g
165-07542	Palladium-Carbon	
167-07541		25g 100g
166-00051		1g
162-00053	Palladium(II) Chloride	[7647-10-1] 5g
164-00052		25g
168-20553	Palladium(II)-Hydrotalcite(m) (Pd:0.8%)	
161-20543	Palladium(II)-Hydrotalcite (Pd:1.5%)	
160-20471	Palladium-Nanocage	
162-15281	Palladium(II) Oxide	[1314-08-5] 1g
168-15283		5g
168-21991	PI Palladium (Pd abt. 3%)	
164-21993		1g 5g
160-22811	PMI Palladium	
325-37731	Tetraamminepalladium(II) Chloride	[13815-17-3] 100mg
320-40971	Tetraamminepalladium(II) Nitrate Solution (abt. 13%)	[13601-08-6] 5g
201-14701	Tetrakis(acetonitrile)palladium(II) Bis(tetrafluoroborate)	[21797-13-7] 1g
203-14641	Tetrakis(triphenylphosphine)palladium(0)	[14221-01-3] 5g
205-14721	Tris(dibenzylideneacetone)dipalladium(0)	[52409-22-0] 1g

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