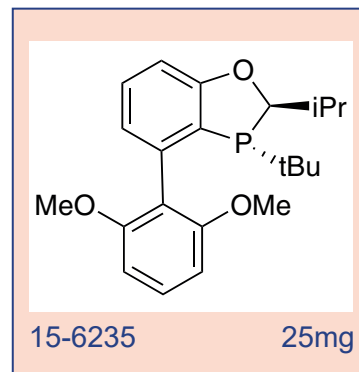
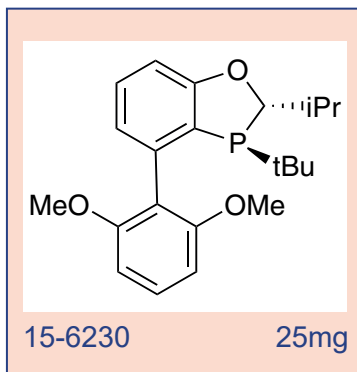
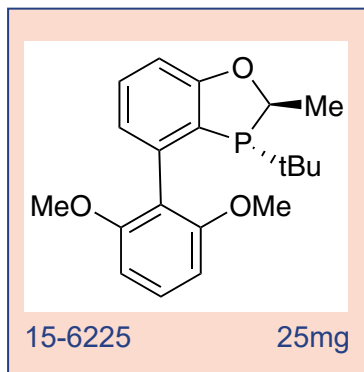
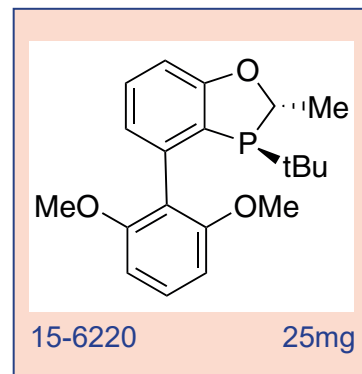
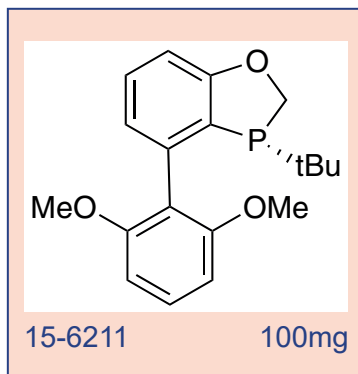
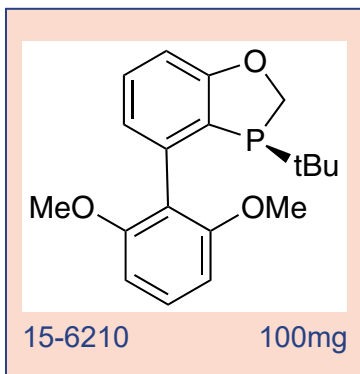
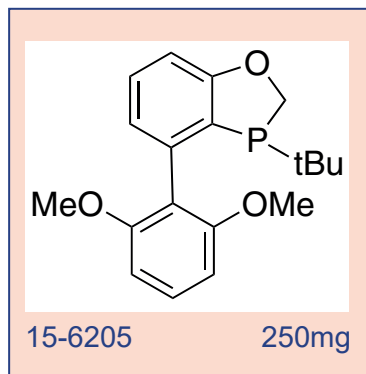


Sold in collaboration with Zejun for research purposes only. Patents: ZL2013105048267, CN104558038.

96-0650 BI-DIME Ligand Kit

Components also available for individual sale.
Contains the following:



15-6205	3-(t-Butyl)-4-(2,6-dimethoxyphenyl)-2,3-dihydrobenzo[d][1,3]oxaphosphole, min. 97% rac-BI-DIME (1246888-90-3)	250mg
15-6210	(S)-3-(t-Butyl)-4-(2,6-dimethoxyphenyl)-2,3-dihydrobenzo[d][1,3]oxaphosphole, min. 97% (S)-BI-DIME (1373432-09-7)	100mg
15-6211	(R)-3-(t-Butyl)-4-(2,6-dimethoxyphenyl)-2,3-dihydrobenzo[d][1,3]oxaphosphole, min. 97% (R)-BI-DIME (1373432-03-7)	100mg
15-6220	(2S,3S)-3-(t-Butyl)-4-(2,6-dimethoxyphenyl)-2-methyl-2,3-dihydrobenzo[d][1,3]oxaphosphole, min. 97% (S,S)-Me-BI-DIME (1373432-11-1)	25mg
15-6225	(2R,3R)-3-(t-Butyl)-4-(2,6-dimethoxyphenyl)-2-methyl-2,3-dihydrobenzo[d][1,3]oxaphosphole, min. 97% (R,R)-Me-BI-DIME (1477517-18-2)	25mg
15-6230	(2S,3S)-3-(t-Butyl)-4-(2,6-dimethoxyphenyl)-2-i-propyl-2,3-dihydrobenzo[d][1,3]oxaphosphole, min. 97% (S,S)-iPr-BI-DIME (1477517-21-7)	25mg
15-6235	(2R,3R)-3-(t-Butyl)-4-(2,6-dimethoxyphenyl)-2-i-propyl-2,3-dihydrobenzo[d][1,3]oxaphosphole, min. 97% (R,R)-iPr-BI-DIME (1477517-19-3)	25mg

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15, rue de l'Atome
Zone Industrielle
67800 BIRSCHHEIM France
Tel: (33) 03 88 62 52 60
Fax: (33) 03 88 62 26 81
Email: info.europe@strem.com

Strem Chemicals, Inc.
Postfach 1215
77672 KEHL
Germany
Tel: 0 78 51/ 7 58 79
Email: info.europe@strem.com

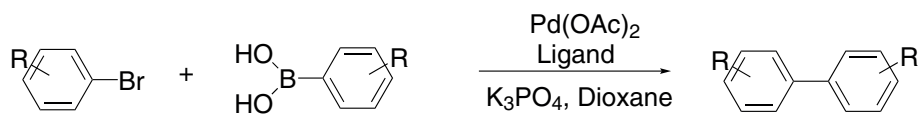
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An Independent Distributor of Strem Chemicals Products
Newton Hall, Town Street
Newton, Cambridge
England CB22 7ZE
Tel: 0845 643 7263
Fax: 0845 643 7362
Email: enquiries@strem.co.uk

15-6205 3-(*t*-Butyl)-4-(2,6-dimethoxyphenyl)-2,3-dihydrobenzo[d][1,3]oxaphosphole, min. 97% rac-BI-DIME
 (1246888-90-3)
 C₁₉H₂₃O₃P; FW: 330.36; white xtl.

250mg
 1g
 5g

Technical Notes:

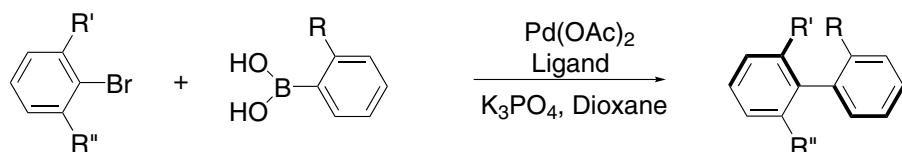
1. Ligand/palladium catalyst for general and sterically demanding Suzuki-Miyaura cross-coupling reactions
2. Ligand/palladium catalyst for sterically demanding Buchwald-Hartwig amination
3. Ligand/palladium catalyst for asymmetric Suzuki-Miyaura cross-coupling reactions.
4. Ligand/nickel catalyst for asymmetric intramolecular reductive cyclization
5. Ligand/rhodium catalyst for asymmetric hydroboration



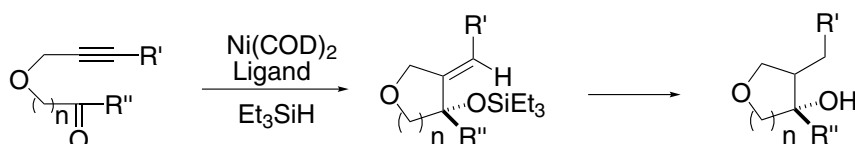
Tech. Note (1)
 Ref. (1,2)



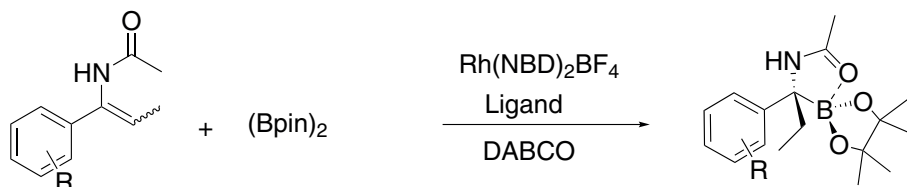
Tech. Note (2)
 Ref. (3)



Tech. Note (3)
 Ref. (4,5,6)



Tech. Note (4)
 Ref. (7,8)



Tech. Note (5)
 Ref. (9)

References:

1. *Angew. Chem., Int. Ed.* **2010**, *49*, 5879-5883
2. *Chem. Eur. J.* **2013**, *19*, 2261-2265
3. *Adv. Syn. Cat.* **2011**, *353*, 533-537
4. *Org. Lett.* **2012**, *14*, 2258-2261
5. *J. Am. Chem. Soc.*, **2014**, *136*, 570-573
6. *Angew. Chem., Int. Ed.* **2015**, *54*, 7144-7148
7. *Angew. Chem., Int. Ed.* **2015**, *54*, 2520-2524
8. *Org. Chem. Front.* **2015**, *2*, 1322-1325

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 15, rue de l'Atome
 Zone Industrielle
 67800 BISCHHEIM France
 Tel: (33) 03 88 62 52 60
 Fax: (33) 03 88 62 26 81
 Email: info.europe@strem.com

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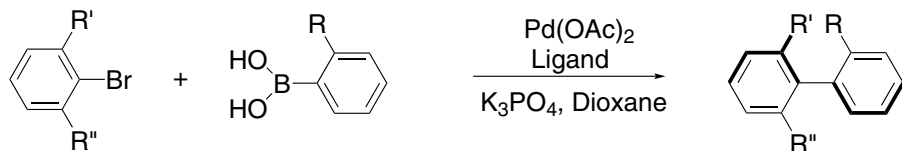
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 Newton, Cambridge
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 Email: enquiries@strem.co.uk

15-6211 (R)-3-(t-Butyl)-4-(2,6-dimethoxyphenyl)-2,3-dihydrobenzo[d][1,3]oxaphosphole, min. 97%
(R)-BI-DIME (1373432-03-7)
 C₁₉H₂₃O₃P; FW: 330.36; light-yellow xtl.

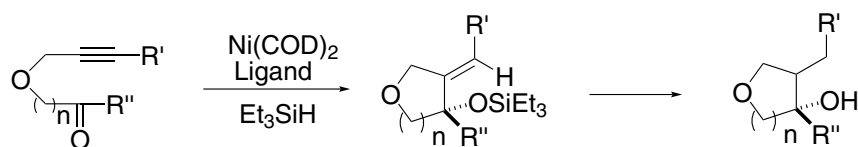
100mg
 500mg
 2g

Technical Notes:

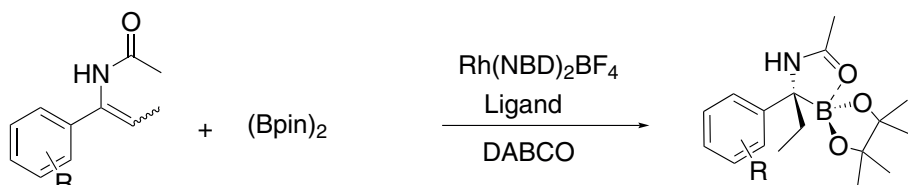
1. Ligand/palladium catalyst for asymmetric Suzuki-Miyaura cross-coupling reactions.
2. Ligand/nickel catalyst for asymmetric intramolecular reductive cyclization
3. Ligand/rhodium catalyst for asymmetric hydroboration



Tech. Note (1)
 Ref. (1,2,3)



Tech. Note (2)
 Ref. (4,5)



Tech. Note (3)
 Ref. (6)

References:

1. *Org. Lett.* **2012**, *14*, 2258–2261
2. *J. Am. Chem. Soc.*, **2014**, *136*, 570–573
3. *Angew. Chem., Int. Ed.* **2015**, *54*, 7144–7148
4. *Angew. Chem., Int. Ed.* **2015**, *54*, 2520–2524
5. *Org. Chem. Front.* **2015**, *2*, 1322–1325
6. *J. Am. Chem. Soc.* **2015**, *137*, 6746–6749

15-6210 (S)-3-(t-Butyl)-4-(2,6-dimethoxyphenyl)-2,3-dihydrobenzo[d][1,3]oxaphosphole, min. 97%
(S)-BI-DIME (1373432-09-7)
 C₁₉H₂₃O₃P; FW: 330.36; light-yellow xtl.

100mg
 500mg
 2g

Technical Note:

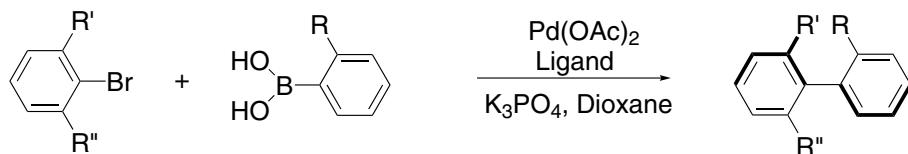
1. See 15-6211.

15-6225 (2R,3R)-3-(t-Butyl)-4-(2,6-dimethoxyphenyl)-2-methyl-2,3-dihydrobenzo[d][1,3]oxaphosphole, min. 97%
(R,R)-Me-BI-DIME (1477517-18-2)
 C₂₀H₂₅O₃P; FW: 344.38; light-yellow xtl.

25mg
 100mg
 500mg

Technical Note:

1. Ligand/palladium catalyst for asymmetric Suzuki-Miyaura cross-coupling reactions



Tech. Note (1)
 Ref. (1)

References:

1. *Org. Lett.* **2012**, *14*, 2258–2261
2. *J. Am. Chem. Soc.*, **2014**, *136*, 570–573
3. *Angew. Chem., Int. Ed.* **2015**, *54*, 7144–7148

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 Fax: (33) 03 88 62 26 81
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15-6220 (2S,3S)-3-(t-Butyl)-4-(2,6-dimethoxyphenyl)-2-methyl-2,3-dihydrobenzo[d][1,3]oxaphosphole, min. 97% 25mg
(S,S)-Me-BI-DIME (1373432-11-1) 100mg
 C₂₀H₂₅O₃P; FW: 344.38; light-yellow xtl. 500mg

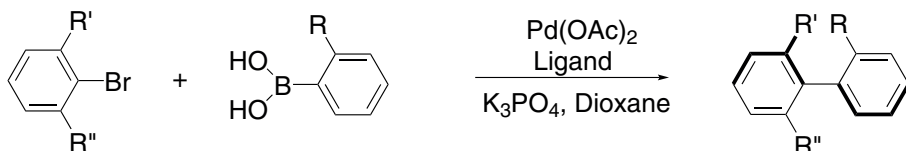
Technical Note:

1. See 15-6225.

15-6235 (2R,3R)-3-(t-Butyl)-4-(2,6-dimethoxyphenyl)-2-i-propyl-2,3-dihydrobenzo[d][1,3]oxaphosphole, min. 97% 25mg
(R,R)-iPr-BI-DIME (1477517-19-3) 100mg
 C₂₂H₂₉O₃P; FW: 372.44; light-yellow xtl. 500mg

Technical Note:

1. Ligand/palladium catalyst for asymmetric Suzuki-Miyaura cross-coupling reactions



Tech. Note (1)
Ref. (1)

References:

1. *Org. Lett.* **2012**, *14*, 2258–2261
2. *J. Am. Chem. Soc.*, **2014**, *136*, 570–573
3. *Angew. Chem., Int. Ed.* **2015**, *54*, 7144–7148

15-6230 (2S,3S)-3-(t-Butyl)-4-(2,6-dimethoxyphenyl)-2-i-propyl-2,3-dihydrobenzo[d][1,3]oxaphosphole, min. 97% 25mg
(S,S)-iPr-BI-DIME (1477517-21-7) 100mg
 C₂₂H₂₉O₃P; FW: 372.44; light-yellow xtl. 500mg

Technical Note:

1. See 15-6235.

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 15, rue de l'Atome
 Zone Industrielle
 67800 BISCHHEIM France
 Tel: (33) 03 88 62 52 60
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