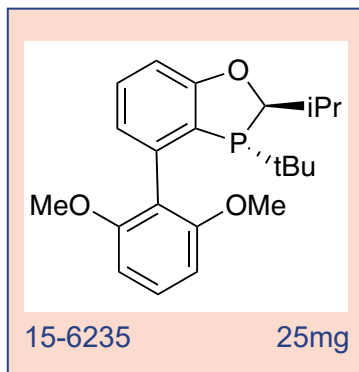
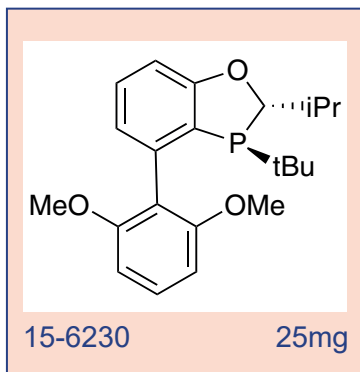
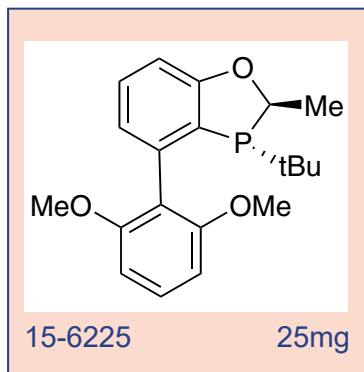
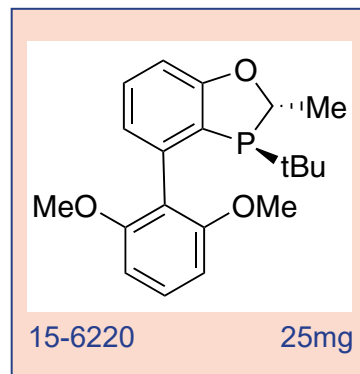
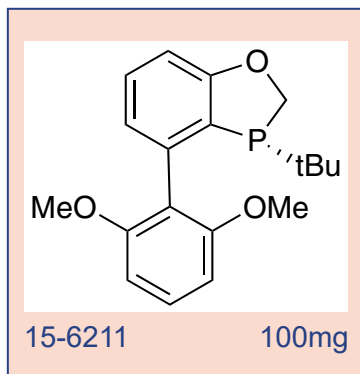
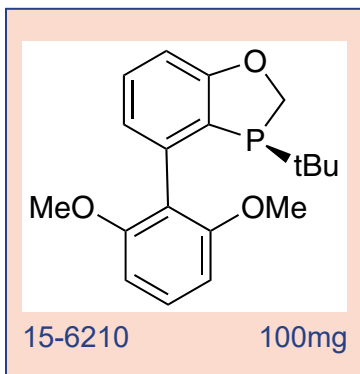
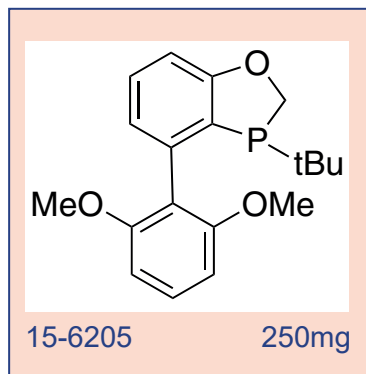


## 96-0650 BI-DIME Ligand Kit

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](mailto:info.europe@strem.com)

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Germany  
Tel: 0 78 51/ 7 58 79  
Email: [info.europe@strem.com](mailto:info.europe@strem.com)

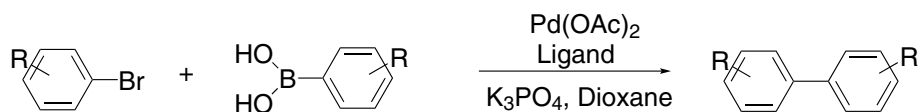
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Fax: 0845 643 7362  
Email: [enquiries@strem.co.uk](mailto:enquiries@strem.co.uk)

**15-6205 3-(t-Butyl)-4-(2,6-dimethoxyphenyl)-2,3-dihydrobenzo[d][1,3]oxaphosphole, min. 97% rac-BI-DIME**  
 (1246888-90-3)  
 C<sub>19</sub>H<sub>23</sub>O<sub>3</sub>P; FW: 330.36; white xtl.

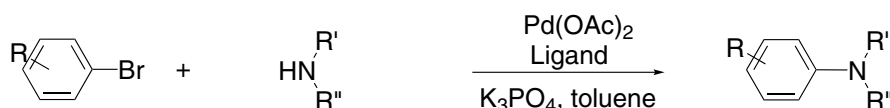
250mg  
 1g  
 5g

Technical Notes:

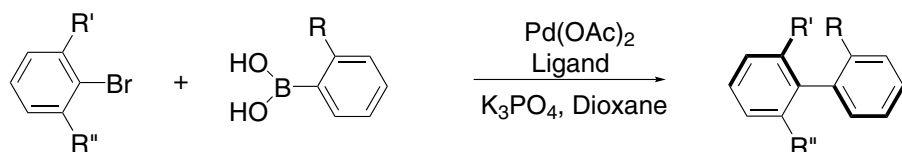
1. Ligand/palladium catalyst for general and sterically demanding Suzuki-Miyaura cross-coupling reactions
2. Ligand/palladium catalyst for sterically demanding Buchwald-Hartwig amination
3. Ligand/palladium catalyst for asymmetric Suzuki-Miyaura cross-coupling reactions.
4. Ligand/nickel catalyst for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



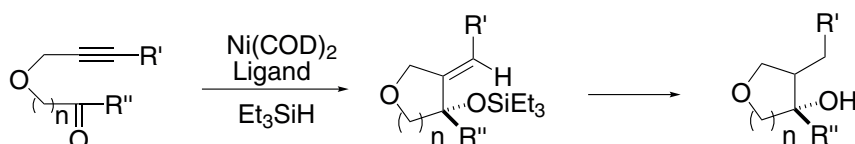
Tech. Note (1)  
 Ref. (1,2)



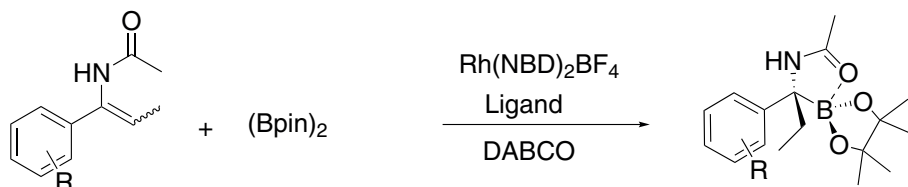
Tech. Note (2)  
 Ref. (3)



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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 Zone Industrielle  
 67800 BISCHHEIM France  
 Tel: (33) 03 88 62 52 60  
 Fax: (33) 03 88 62 26 81  
 Email: [info.europe@strem.com](mailto:info.europe@strem.com)

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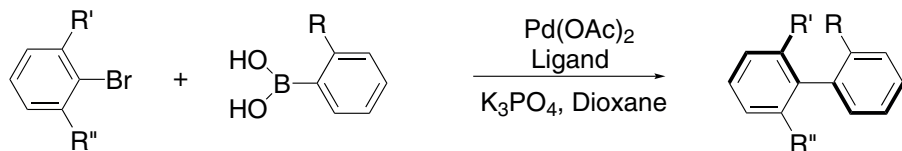
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 Email: [enquiries@strem.co.uk](mailto:enquiries@strem.co.uk)

**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)  
 C<sub>19</sub>H<sub>23</sub>O<sub>3</sub>P; FW: 330.36; light-yellow xtl.

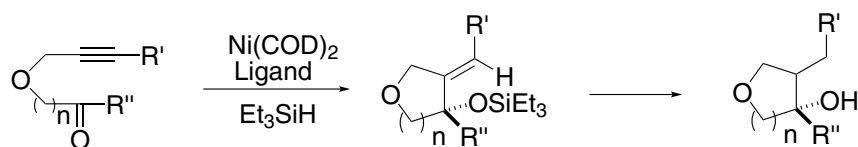
100mg  
 500mg  
 2g

Technical Notes:

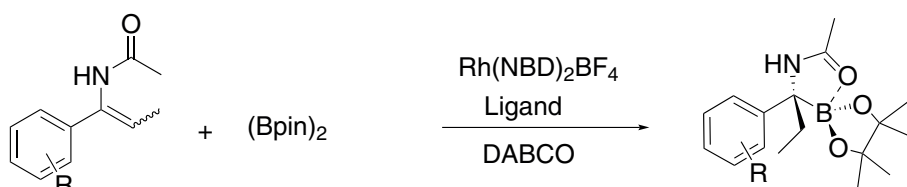
1. Ligand/palladium catalyst for asymmetric Suzuki-Miyaura cross-coupling reactions.
2. Ligand/nickel catalyst for asymmetric intramolecular reductive cyclization
3. Ligand/rhodium catalyst for asymmetric hydroboration



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)  
 C<sub>19</sub>H<sub>23</sub>O<sub>3</sub>P; FW: 330.36; light-yellow xtl.

100mg  
 500mg  
 2g

Technical Note:

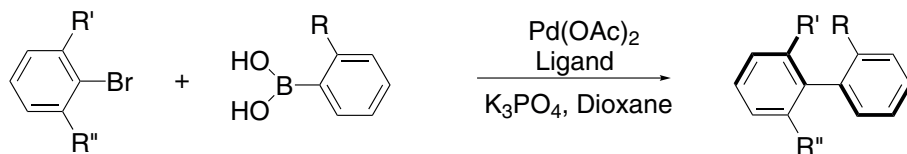
1. See 15-6211.

**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)  
 C<sub>20</sub>H<sub>25</sub>O<sub>3</sub>P; 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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**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  
 C<sub>20</sub>H<sub>25</sub>O<sub>3</sub>P; FW: 344.38; light-yellow xtl. 500mg

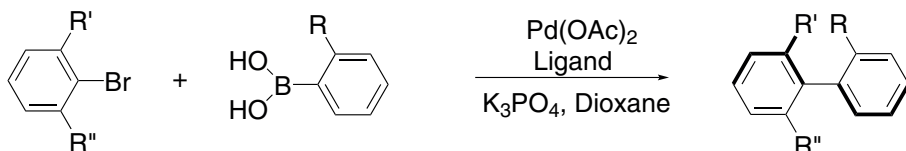
Technical Note:

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  
 C<sub>22</sub>H<sub>29</sub>O<sub>3</sub>P; 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  
 C<sub>22</sub>H<sub>29</sub>O<sub>3</sub>P; FW: 372.44; light-yellow xtl. 500mg

Technical Note:

1. See 15-6235.

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 Zone Industrielle  
 67800 BISCHHEIM France  
 Tel: (33) 03 88 62 52 60  
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