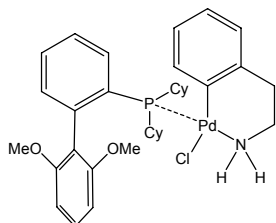




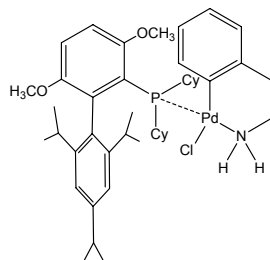
Buchwald Palladacycle Precatalyst Kit

for Aromatic Carbon-Heteroatom Bond Formation, Suzuki Coupling & Negishi Cross-coupling

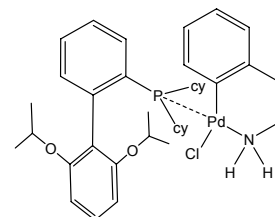
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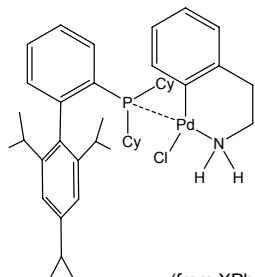
46-0269 (from SPhos 15-1143)



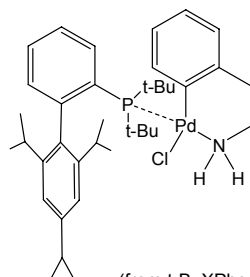
46-0267 (from BrettPhos 15-1152)



46-0266 (from RuPhos 15-1146)



46-0268 (from XPhos 15-1149)



46-0264 (from t-BuXPhos 15-1052)

Note: Patents:
US 6,395,916, US 6,307,087.

96-5503 Buchwald Palladacycle Precatalyst Kit for Aromatic Carbon-Heteroatom Bond Formation, Suzuki Coupling & Negishi Cross-coupling

1kit

Contains the smallest unit of the items listed below. Components available for individual sale.

46-0264 NEW →	Chloro(2-(di-<i>t</i>-butylphosphino-2',4',6'-tri-<i>i</i>-propyl-1,1'-biphenyl)[2-(2-aminoethyl)phenyl]palladium(II), min. 98% [t-BuXPhos Palladacycle] [1142811-12-8] C ₃₇ H ₅₅ ClNPPd; FW: 686.69; white powdr.	100mg 500mg
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Technical Note:

- See 46-0268.

46-0269 NEW →	Chloro(2-(dicyclohexylphosphino-2',6'-dimethoxy-1,1'-biphenyl)[2-(2-aminoethyl)phenyl]palladium(II) dichloromethane adduct, min. 98% [SPhos Palladacycle] [1028206-58-7] C ₃₄ H ₄₅ ClNO ₂ PPd; FW: 672.57; white powdr.	250mg 1g
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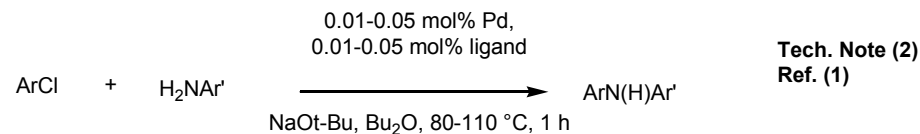
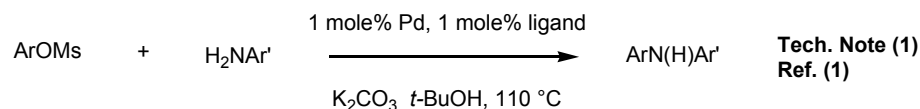
Technical Note:

- See 46-0268.

46-0267 NEW →	Chloro[2-(dicyclohexylphosphino)-3,6-dimethoxy-2'-4'-6'-tri-<i>i</i>-propyl-1,1'-biphenyl][2-(2-aminoethyl)phenyl]palladium(II), min. 98% [BrettPhos Palladacycle] [1148148-01-9] C ₄₃ H ₆₃ ClNO ₂ PPd; FW: 798.81; white powdr.	100mg 500mg
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Technical Notes:

- Catalyst for cross-coupling reactions using aryl mesylates with electron-deficient anilines.
- Catalyst for rapid C-N bond-forming process at low catalyst loading.



Reference:

- J. Am. Chem. Soc.*, **2008**, *130*, 13552.
- Chem. Sci.*, **2011**, *2*, 27-50.

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Strem Chemicals, Inc.
7 Mulliken Way
Newburyport, MA 01950-4098
U.S.A.
Tel.: (978) 499-1600
Fax: (978) 465-3104
Email: info@strem.com

Strem Chemicals, Inc.
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
Telefon: 0 78 51/ 7 58 79
Email: info.europe@strem.com

Strem Chemicals UK, Ltd.
41 Hills Road
Cambridge
England CB2 1NT
Tel.: 0845 643 7263
Fax: 01223 368021
Email: enquiries@strem.co.uk

46-0266 NEW	Chloro(2-dicyclohexylphosphino-2',6'-di-i-propoxy-1,1'-biphenyl)[2-(2-aminoethylphenyl)]palladium(II), methyl-t-butylether adduct, min. 98% [RuPhos Palladacycle] [1028206-60-1] C ₃₈ H ₅₃ ClNO ₂ PPd; FW: 728.68; white powdr.	100mg 500mg
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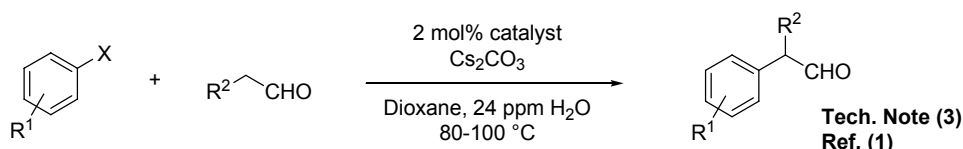
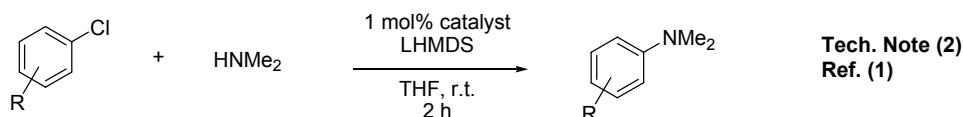
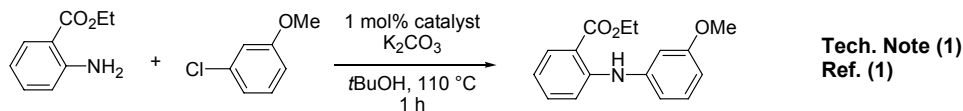
Technical Note:

- See 46-0268.

46-0268 NEW	Chloro(2-dicyclohexylphosphino-2',4',6'-tri-i-propyl-1,1'-biphenyl)[2-(2-aminoethyl)phenyl]palladium(II) methyl-t-butylether adduct, min. 98% [XPhos Palladacycle] [1028206-56-5] C ₄₁ H ₅₉ ClNPPd; FW: 738.76; white powdr.	250mg 1g
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Technical Notes:

- Catalyst for the coupling of aryl chlorides with anilines.
- Catalyst for the coupling of arenes with dimethylamine.
- Catalyst for the α -arylation of aldehydes.



References:

- J. Am. Chem. Soc.*, **2008**, *130*, 6686.
- Tetrahedron Lett.*, **2009**, *50*, 3672.
- Org. Lett.*, **2008**, *10*, 4561.
- Chem. Sci.*, **2011**, *2*, 27-50.

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Strem Chemicals, Inc.
7 Mulliken Way
Newburyport, MA 01950-4098
U.S.A.
Tel.: (978) 499-1600
Fax: (978) 465-3104
Email: info@strem.com

Strem Chemicals, Inc.
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

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

Strem Chemicals UK, Ltd.
41 Hills Road
Cambridge
England CB2 1NT
Tel.: 0845 643 7263
Fax: 01223 368021
Email: enquiries@strem.co.uk