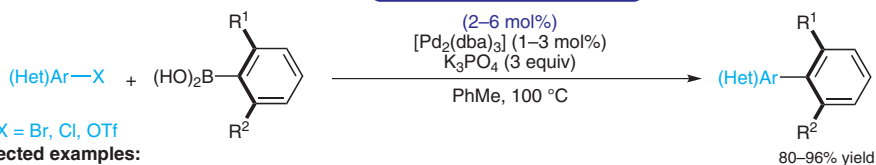
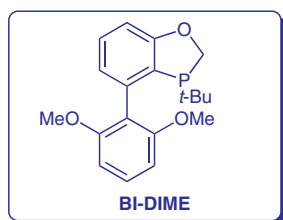
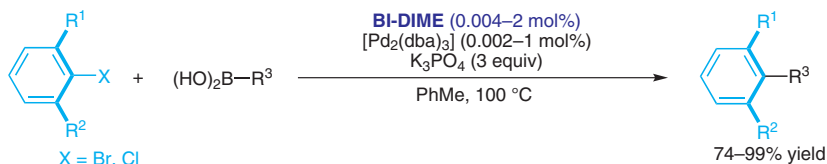
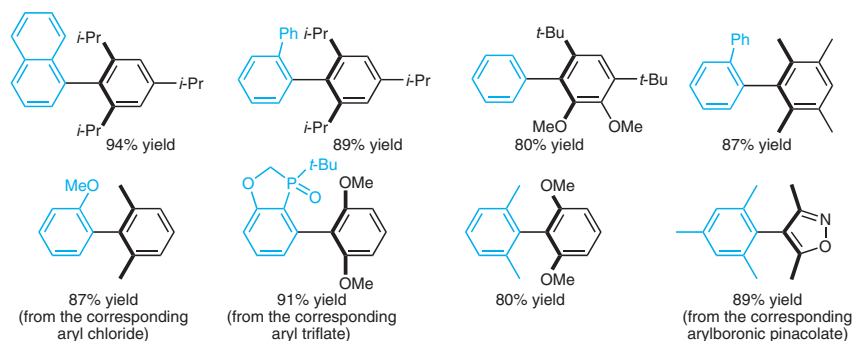


W. TANG,* A. G. CAPACCI, X. WEI, W. LI, A. WHITE, N. D. PATEL, J. SAVOIE, J. J. GAO, S. RODRIGUEZ, B. QU, N. HADDAD, B. Z. LU, D. KRISHNAMURTHY, N. K. YEE, C. H. SENANAYAKE (BOEHRINGER INGELHEIM PHARMACEUTICALS INC., RIDGEFIELD, USA)
 A General and Special Catalyst for Suzuki–Miyaura Coupling Processes
Angew. Chem. Int. Ed. **2010**, *49*, 5879–5883.

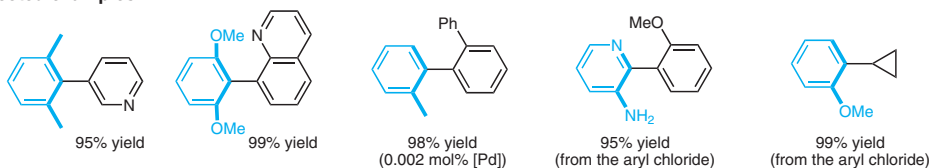
A Novel General Phosphine Ligand for Suzuki–Miyaura Cross-Coupling



Selected examples:



Selected examples:



Significance: A new class of biaryl monophosphorous ligands with outstanding properties was developed. The ligand BI-DIME is highly air-stable and readily accessible in kilogram scale.

Comment: BI-DIME was tested as ligand in the palladium-catalyzed Suzuki–Miyaura reaction allowing for the first time the high-yielding cross-coupling of 2,4,6-triisopropylboronic acid with *ortho*-substituted aryl bromides.

SYNFACTS Contributors: Paul Knochel, Tobias Thaler
 Synfacts 2010, 11, 1285–1285 Published online: 21.10.2010
 DOI: 10.1055/s-0030-1258706; Reg-No.: P12410SF