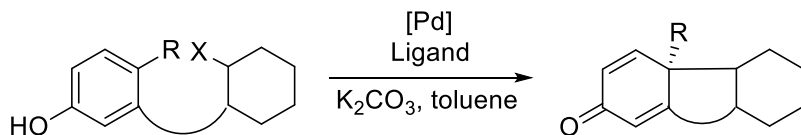
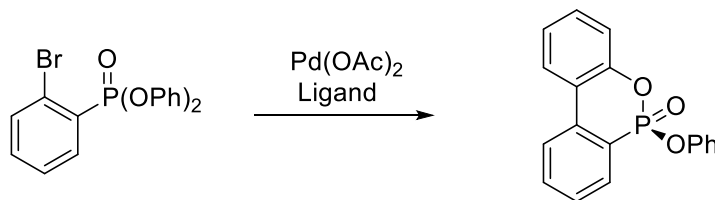


Technical Notes:

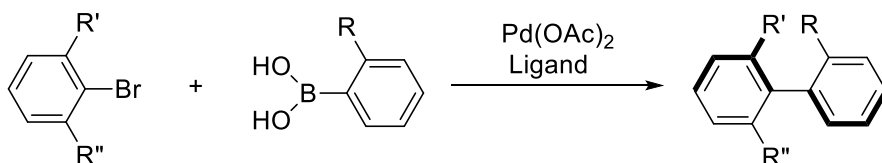
1. Ligand/palladium catalyst for dearomative cyclization
2. Ligand/palladium catalyst for cyclization
3. Ligand/palladium catalyst for Suzuki-Miyaura cross-coupling reactions.
4. Ligand/nickel catalyst for asymmetric intramolecular/intremolecular reductive cyclization
5. Ligand/palladium catalyst for asymmetric cyclization



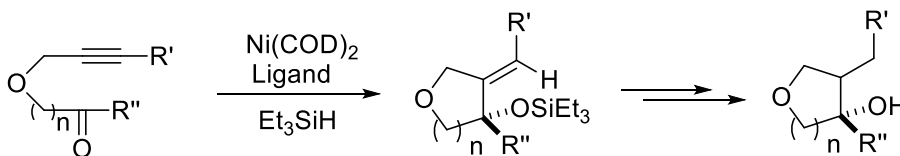
Tech. Note (1)
Ref. (1-4)



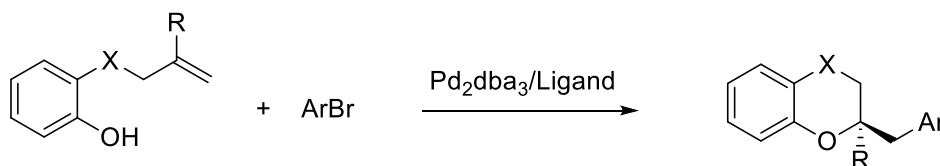
Tech. Note (2)
Ref. (5)



Tech. Note (3)
Ref. (6-7)



Tech. Note (4)
Ref. (8)



Tech. Note (5)
Ref. (9)

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