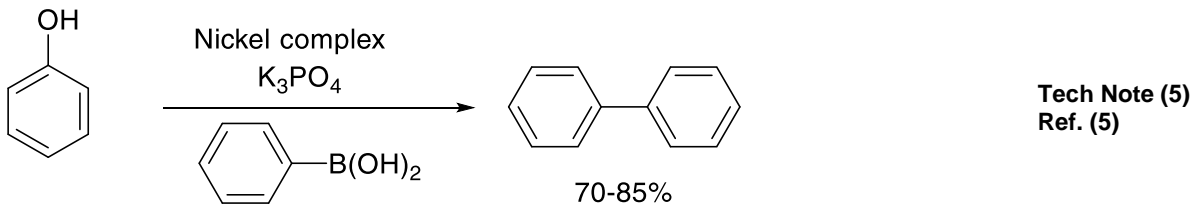
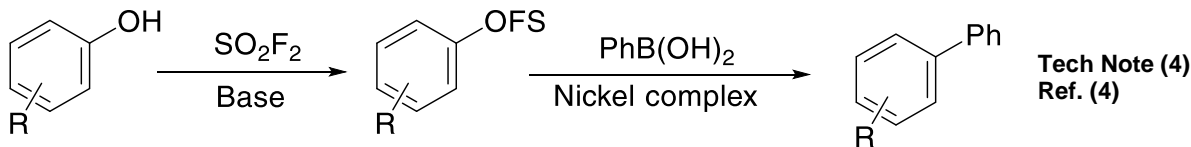
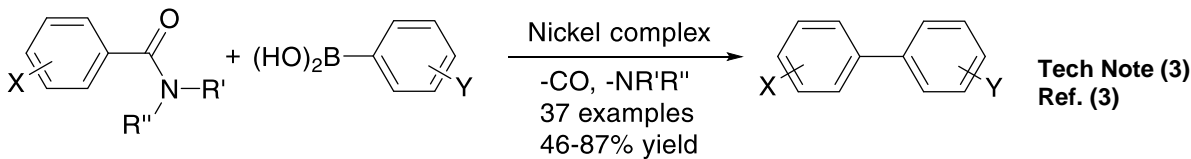
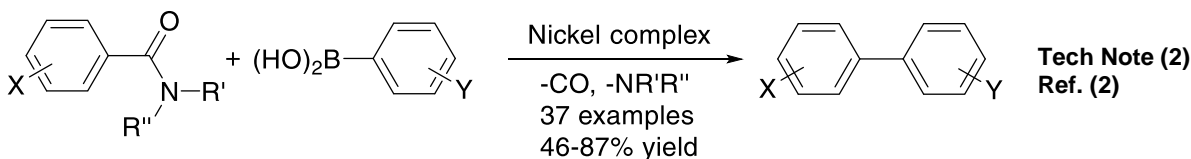
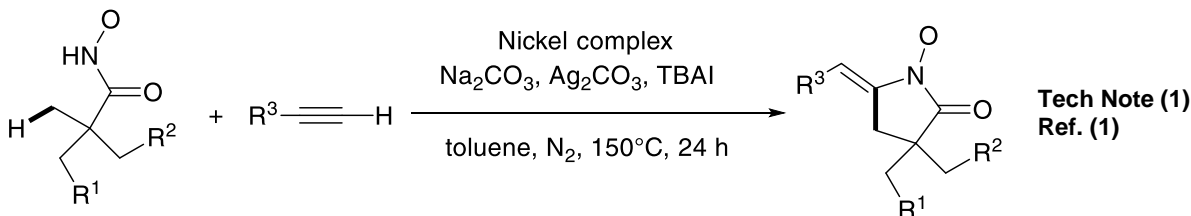


Technical Notes:

1. An approach to five-membered lactams from aliphatic amides and terminal acetylenes by nickel catalysis.
2. Synthesis of biaryls through nickel-catalyzed Suzuki-Miyaura coupling of amides by carbon-nitrogen bond cleavage.
3. Ni-catalyzed borylation of aryl fluorides via C-F cleavage.
4. Nickel- and palladium-catalyzed coupling of aryl fluorosulfonates with aryl boronic acids enabled by sulfonyl fluoride.
5. Nickel-catalyzed one-pot synthesis of biaryls from phenols and arylboronic acids via C-O activation using TCT reagents.



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