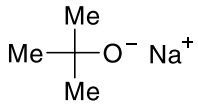
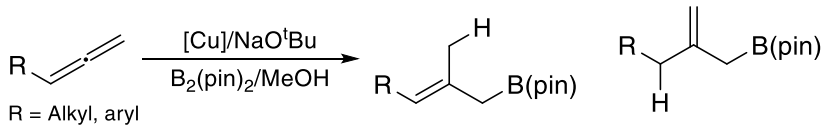
Catalog # 11-1735 CALLERY™ Sodium tert-butoxide, 20% solution in tetrahydrofuran



Technical Notes:

1. Base used in highly selective Cu-catalyzed hydroboration of allenes and 1,3-dienes
2. Used in the Ni[BINAP]-catalyzed amination of aryl and heteroaryl chlorides and bromides with primary aliphatic amines
3. Base used in the Cu-catalyzed cross-coupling of boronic esters with aryl iodides and carboboration processes of alkynes and allenes
4. Used in the enantioselective Cu-catalyzed 1,6-conjugate additions of propargyl and allyl groups
5. Catalyst for transition-metal-free and redox-neutral lactamization of sp^2 C–H bonds with CO_2
6. Used in the base-promoted synthesis of N-substituted 1,2,3-triazoles via enaminone-azide cycloaddition involving Regitz diazo transfer
7. Used as a pre-catalyst activator in Fe- and Co-catalysed hydroboration and hydrosilylation of alkenes and alkynes
8. Used in ligand-controlled preparation of alkyl aryl ethers via Cu-catalyzed alkoxylation of (hetero)aryl halides
9. Used in Ni/NHC-catalyzed asymmetric C–H alkylation of fluoroarenes with alkenes to generate enantioenriched fluorotetralins
10. Used in Cu-catalyzed stereoselective coupling of terminal alkynes and α-bromo carbonyls to generate functionalized *E*-alkenes
11. Used in Cu-catalyzed coupling reactions with (hetero)aryl chlorides and Bromides to genetrate α-(hetero)aryl nitriles
12. Used in Pd-catalyzed enantioselective α-carbonylative arylation for facile construction of chiral spirocyclic β,β′-diketones



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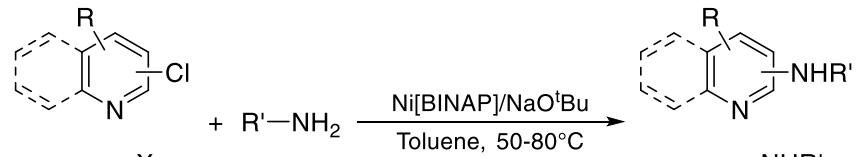

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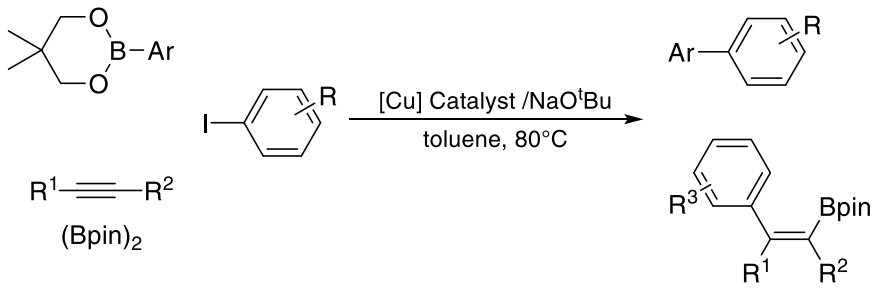

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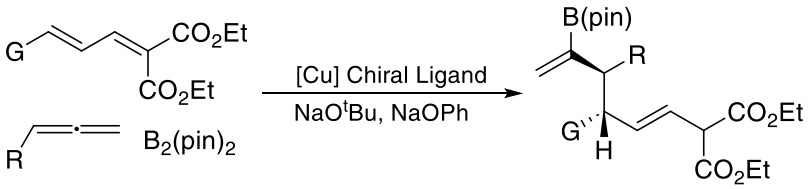

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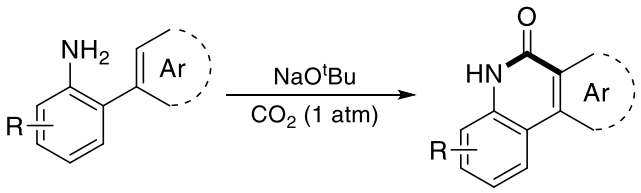

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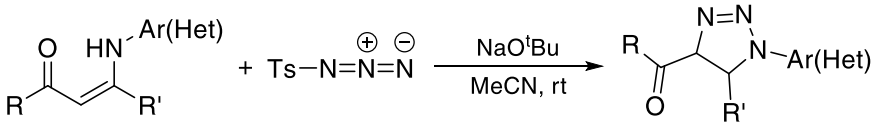

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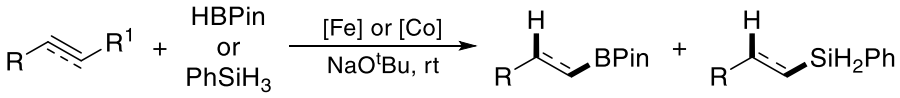

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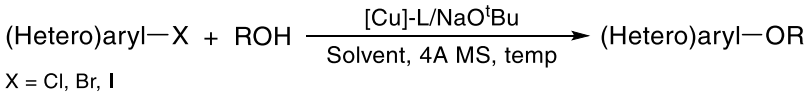

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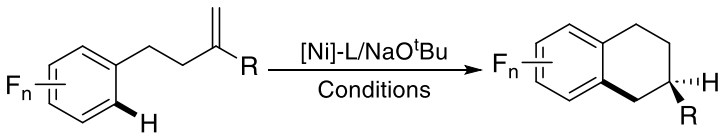

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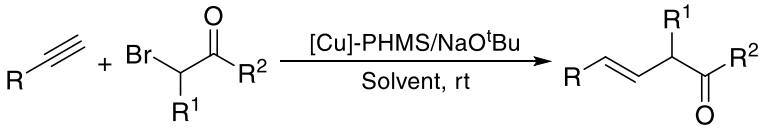

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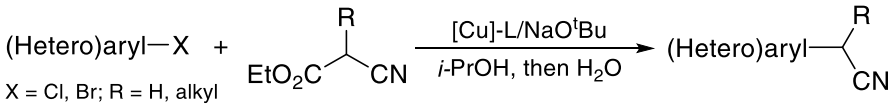

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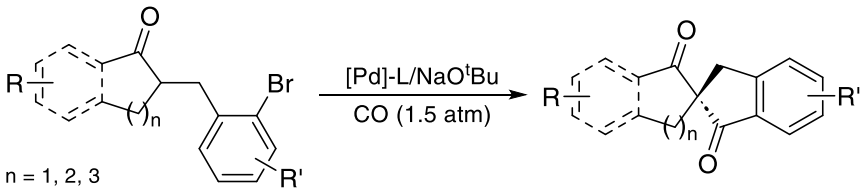

Tech Note (12)
Ref. (12)

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