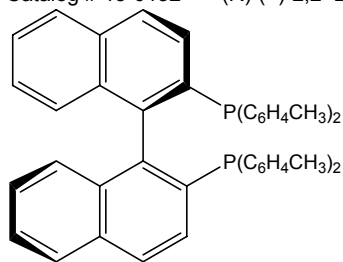


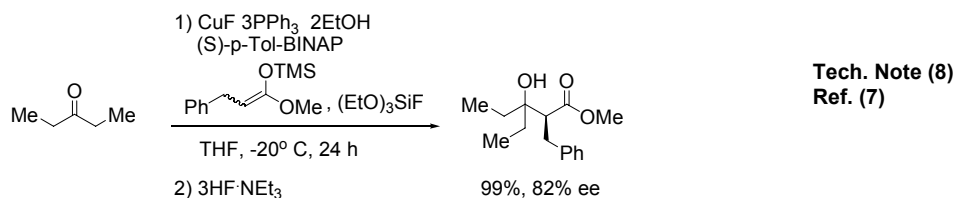
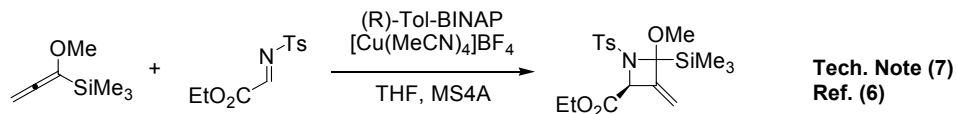
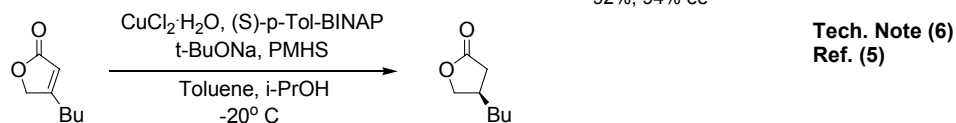
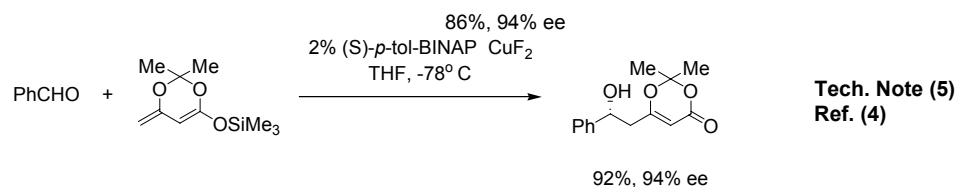
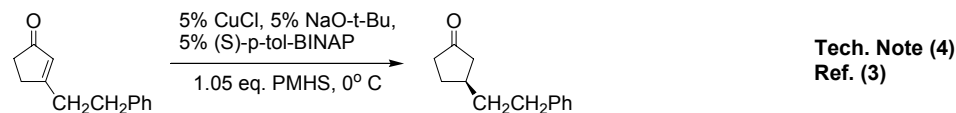
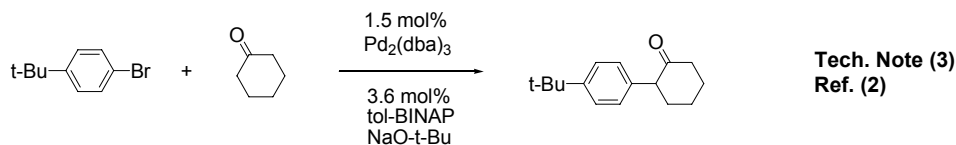
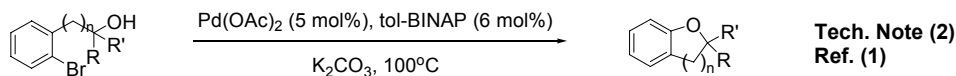
Catalog # 15-0152 (R)-(+)-2,2'-Bis(di-p-tolylphosphino)-1,1'-binaphthyl, 98% (R)-Tol-BINAP

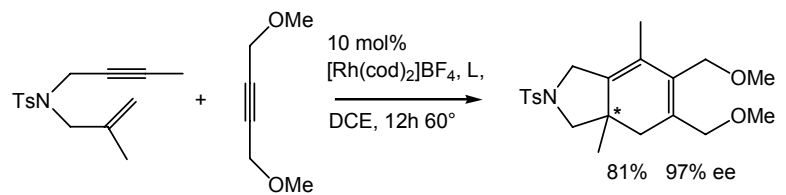


Note: Manufactured under license of Takasago patent. Takasago BINAP Ligand Kit component.

Technical Notes:

1. See [15-0150](#).
2. Useful ligand for palladium-catalyzed carbon-oxygen bond formation.
3. Ligand for palladium-catalyzed α -arylation of ketones.
4. Ligand for Cu-catalyzed asymmetric conjugate reduction.
5. Ligand for Cu-catalyzed asymmetric dienolate addition to aldehydes.
6. Enantioselective conjugate reduction of lactones and lactams.
7. Ligand used in the enantioselective cycloaddition of allenylsilanes with α -Imino esters.
8. Catalytic Aldol reaction to ketones.
9. Ligand with rhodium catalyses [2+2] cycloaddition reaction of alkenes and alkynes.





Tech. Note (9)
Ref. (8)

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