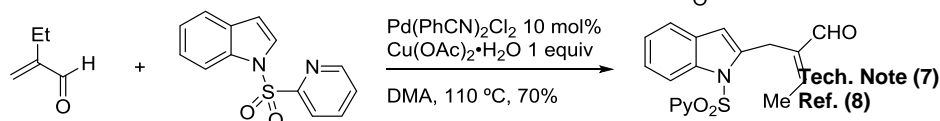
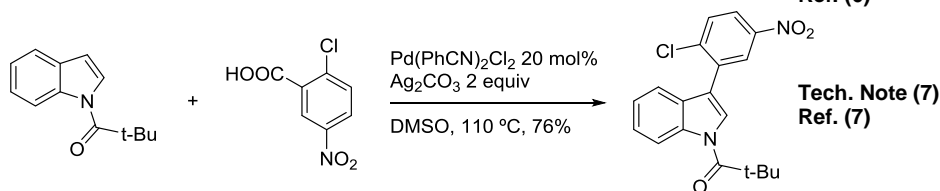
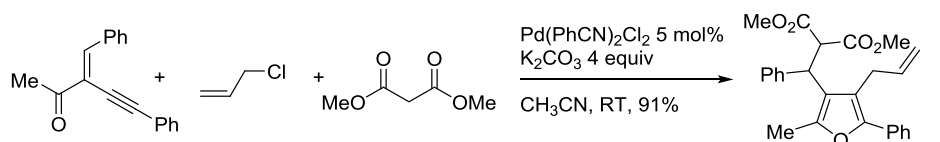
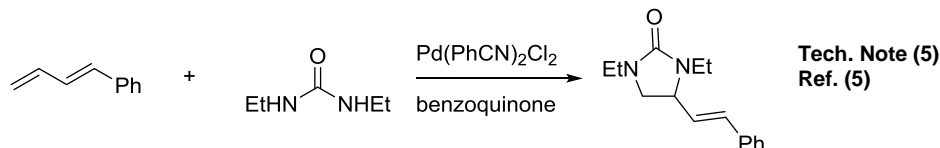
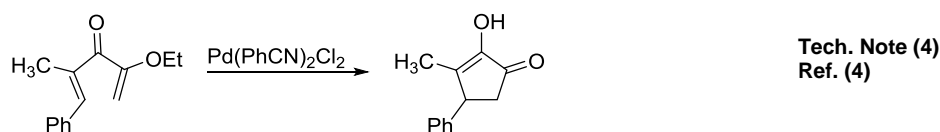
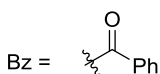
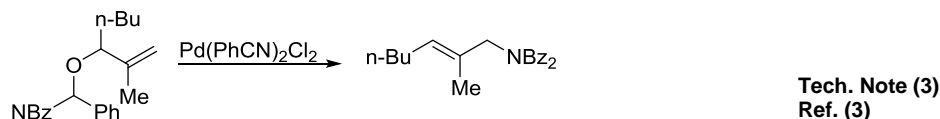
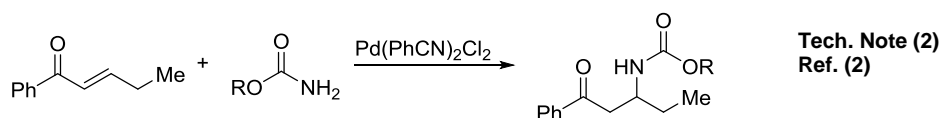
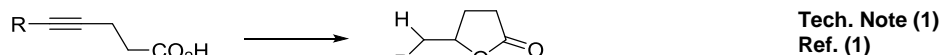


Note : Palladium Kit component.

Technical Notes:

1. Catalyst for the cyclization of δ -acetylenic carboxylic acids to butenolides.
2. Catalyst for the aza-Michael reaction of carbamates with enones.
3. Catalyst for the rearrangement of allylic imidates to allylic amides.
4. Catalyst for the Nazarov cyclization of α -alkoxy dienones.
5. Catalyst for the diamination of conjugated dienes.
6. Three component Michael addition, cyclization, cross-coupling reaction.
7. C-H activation of indoles.



References:

1. *J. Am. Chem. Soc.*, **1986**, *108*, 2753.
2. *Org. Lett.*, **2001**, *3*, 25.
3. *J. Org. Chem.*, **1997**, *62*, 2288.
4. *Org. Lett.*, **2003**, *5*, 4927.
5. *J. Am. Chem. Soc.*, **2005**, *127*, 7308.
6. *Angew. Chem. Int. Ed.*, **2008**, *47*, 1903.
7. *Org. Lett.*, **2009**, *11*, 5506.
8. *Angew. Chem. Int. Ed.*, **2009**, *48*, 6511.