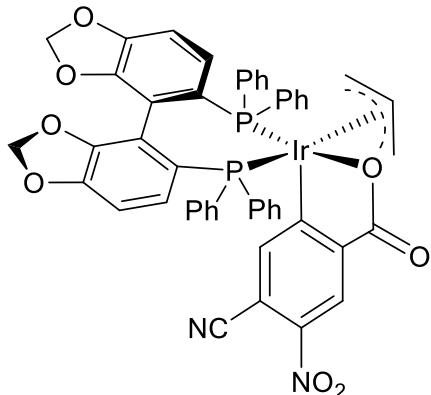


Strem Chemicals, Inc.

www.strem.com

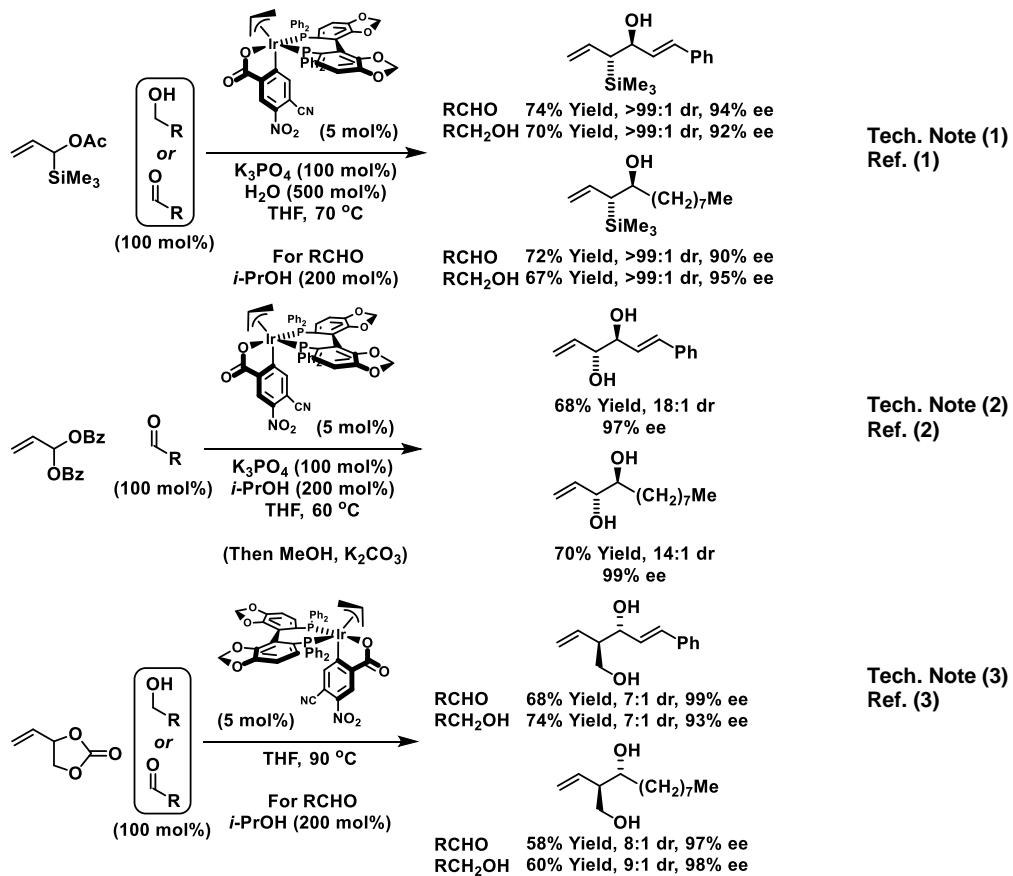
Catalog # 77-5074 [(R)-(+)-5,5'-Bis(diphenylphosphino)-4,4'-bi-1,3-benzodioxole][4-cyano-3-nitrobenzenecarboxylato][1,2,3- η -2-propenyl]iridium(III), min. 97%

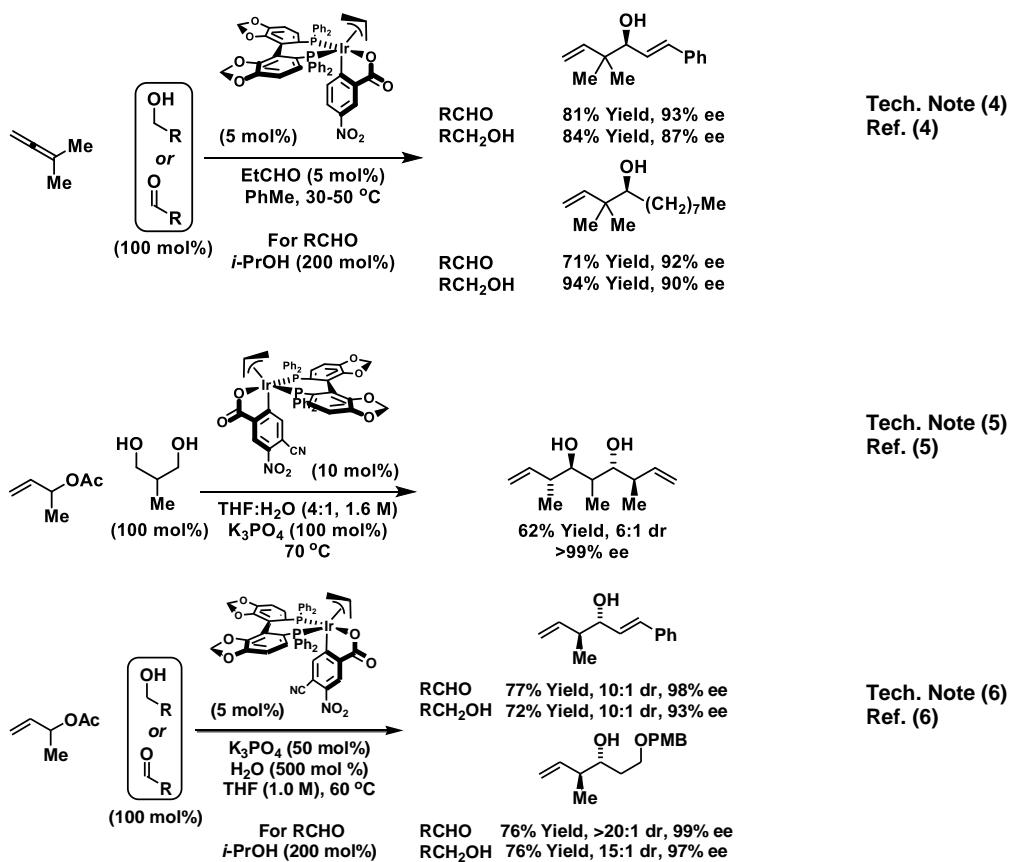


Note: Manufactured under license of Takasago patent.

Technical Notes:

1. Catalyst used for the diastereo- and enantioselective carbonyl (trimethylsilyl)allylation from the alcohol, or aldehyde, oxidation level.
2. Catalyst used for the diastereo- and enantioselective carbonyl (hydroxy)allylation to form anti-1,2-diols.
3. Catalyst used for the diastereo- and enantioselective carbonyl (hydroxymethyl)allylation from the alcohol, or aldehyde, oxidation level.
4. Catalyst used for the diastereo- and enantioselective carbonyl tert-prenylation from the alcohol, or aldehyde, oxidation level.
5. Catalyst used for the diastereo- and enantioselective carbonyl double cropylation of 1,3-diols.
6. Catalyst used for the diastereo- and enantioselective carbonyl cropylation from the alcohol or aldehyde oxidation level.





References:

1. *J. Am. Chem. Soc.*, **2010**, *132*, 9153.
2. *J. Am. Chem. Soc.*, **2010**, *132*, 1760.
3. *J. Am. Chem. Soc.*, **2010**, *132*, 4562.
4. *J. Am. Chem. Soc.*, **2009**, *131*, 6916.
5. *J. Am. Chem. Soc.*, **2011**, *133*, 12795
6. *J. Org. Chem.*, **2011**, *76*, 2350.