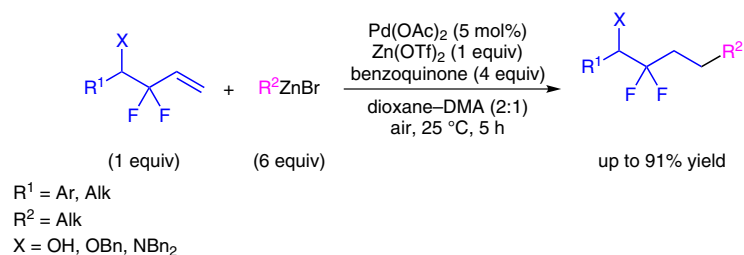


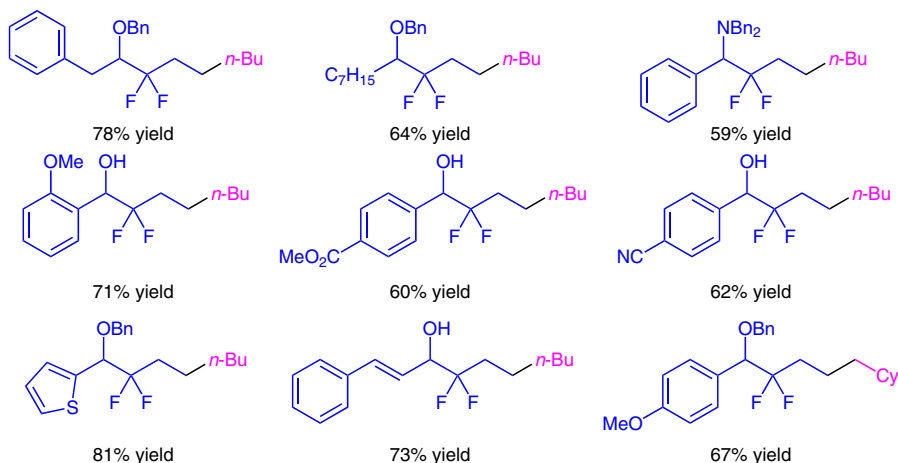
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Palladium-Catalyzed Anti-Markovnikov Hydroalkylation of Homoallylic Alcohols Bearing β -Fluorines
Org. Lett. **2013**, *15*, 4478–4481.

Palladium-Catalyzed Anti-Markovnikov Hydroalkylation of Homoallylic Alcohols



Selected examples:



Significance: Lin and Qing report a mild and convenient protocol for the anti-Markovnikov hydroalkylation of β,β -difluorinated homoallylic alcohols. The palladium-catalyzed reaction with alkylzinc reagents furnishes the products in good to excellent yields.

Comment: The reported protocol affords a wide range of synthetically useful *gem*-difluorinated compounds with good functional-group compatibility. Moreover, the results show that the transposition of CH_2 into CF_2 at the allylic position of homoallylic alcohols can modify the electronic and steric environment of the alkene.