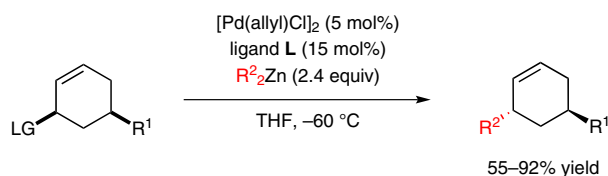
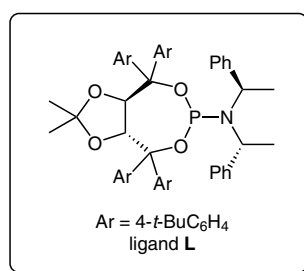


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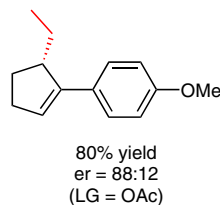
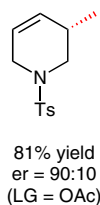
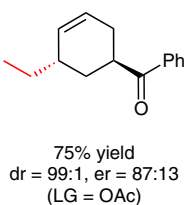
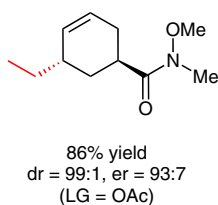
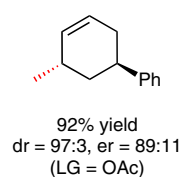
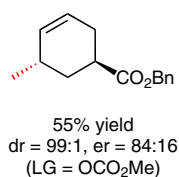
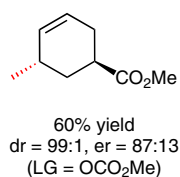
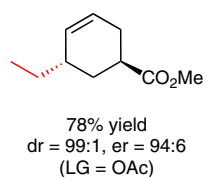
# Asymmetric Palladium-Catalyzed Allylic Substitution Using Dialkylzinc Reagents



R<sup>1</sup> = CO<sub>2</sub>Me, CO<sub>2</sub>Bn, Ph, CON(OMe)Me, CHO, COPh  
R<sup>2</sup> = Me, Et,  
LG = OAc, OCO<sub>2</sub>Me, Cl



## Selected examples:



**Significance:** Maulide and co-workers present an enantioselective palladium-catalyzed alkylation of racemic allylic electrophiles employing dialkylzinc reagents as nucleophiles. The reaction proceeds under mild conditions and shows broad functional group tolerance.

**Comment:** This new transformation, that prevents the standard ‘umpolung’ reactivity of allyl–palladium species, hinges on the effect of the TADDOL-derived phosphoramidite ligand **L**.