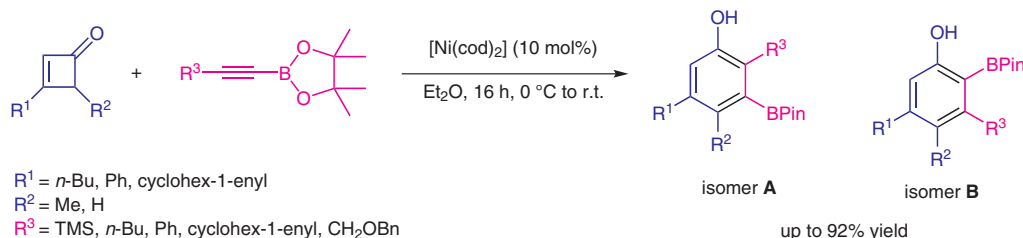
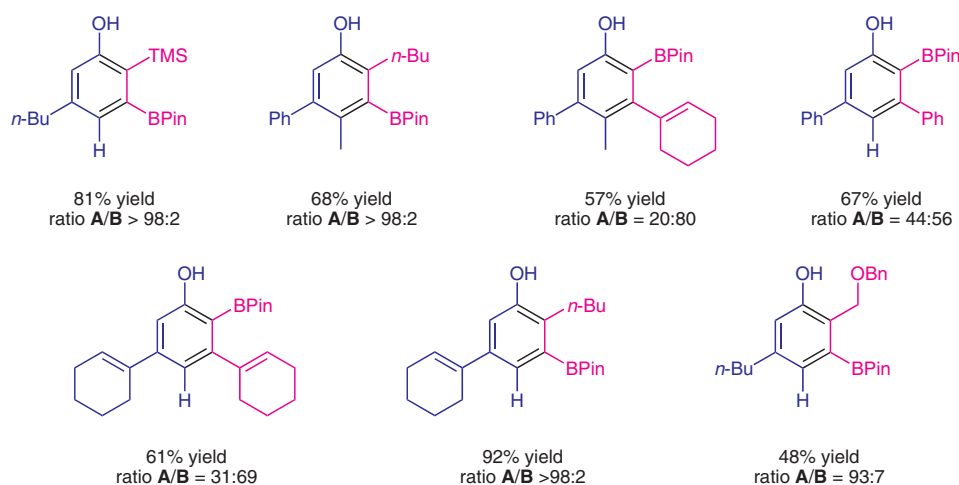


Ni-Catalyzed Alkyne Cycloaddition to Give Boronic Esters



Selected examples:



Significance: A new nickel-catalyzed benzannulation of cyclobutenones with alkynylboronates to yield aromatic boronic esters has been disclosed. Furthermore, a one-pot cycloaddition–coupling protocol has been developed, whereby the nickel catalyst performs firstly the benzannulation and afterwards the cross-coupling.

Comment: Alkynylboronates bearing sp^3 -based substituents show high selectivity for isomer **A**, whereas those bearing sp^2 -based substituents mainly favor isomer **B**.