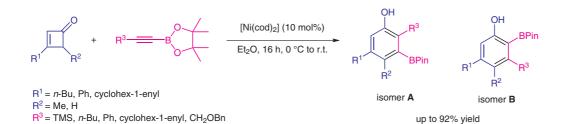
Ni-Catalyzed Alkyne Cycloaddition to Give Boronic Esters



Selected examples:

OH
$$n$$
-Bu
 n -B

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**.

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