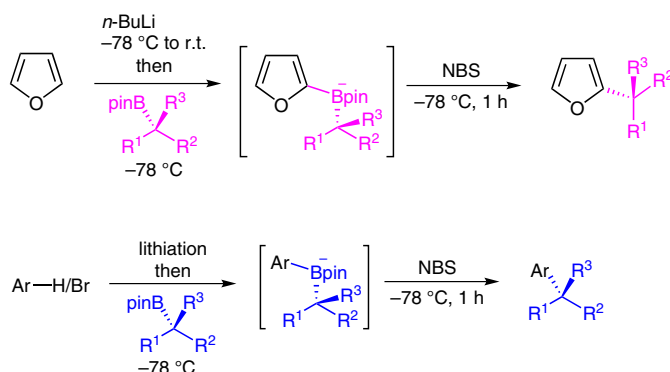
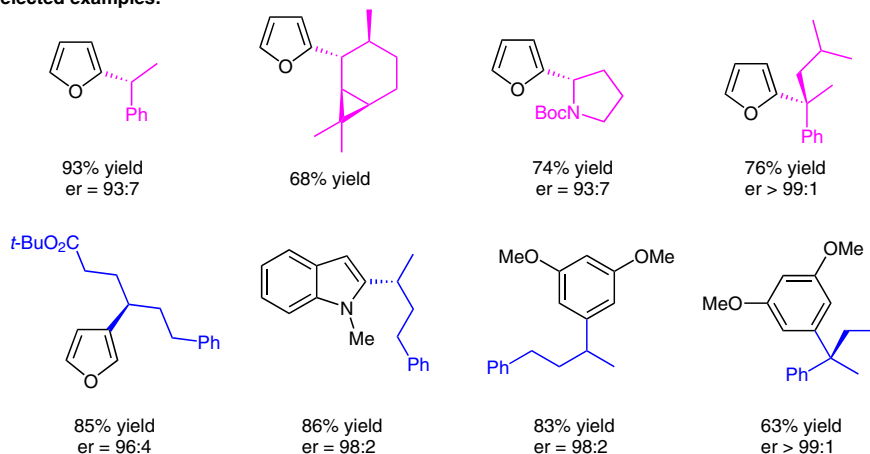


Stereospecific Coupling of Aromatics with Secondary and Tertiary Boronates



Selected examples:



Significance: Aggarwal and co-workers report an effective, general method for coupling electron-rich (hetero)aromatics with enantioenriched secondary and tertiary boronic esters. The reaction involves the initial formation of a boronate complex followed by activation of the electron-rich aromatic by NBS, which triggers a stereospecific 1,2-migration and subsequent elimination–rearomatization.

Comment: The methodology uses simple, readily available reagents and proceeds without transition metals. Broad scope with respect to the boronic ester and the electron-rich aromatic was illustrated, and the reactions proceeded with complete stereospecificity.