# Stereospecific Coupling of Aromatics with Secondary and Tertiary Boronates 

Category
Metal-Mediated Synthesis

## Key words

74\% yield
er $=93: 7$


83\% yield
er $=98: 2$

$76 \%$ yield er > 99:1


63\% yield er > 99:1

Significance: Aggarwal and co-workers report an effective, general method for coupling electronrich (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 eliminationrearomatization.

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.

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[^0]:    sYnfacts Contributors: Paul Knochel, Thomas Klatt
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