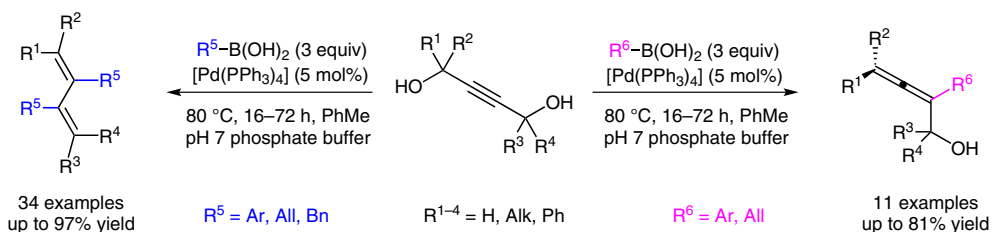


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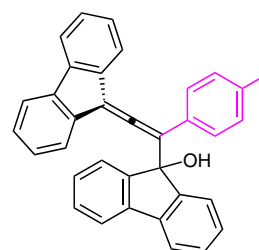
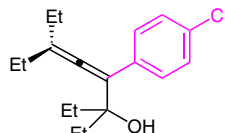
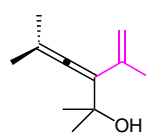
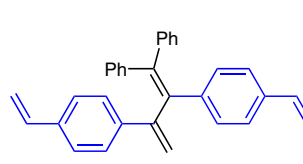
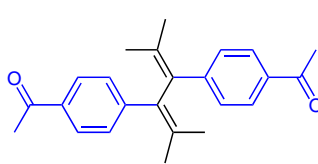
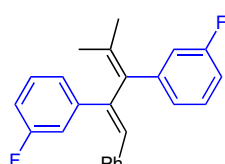
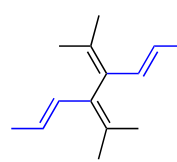
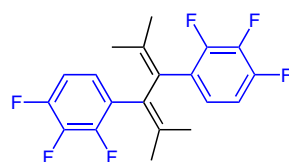
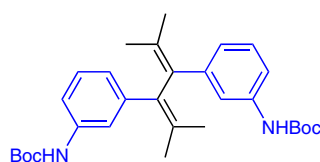
Direct Cross-Couplings of Propargylic Diols

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## Direct Cross-Couplings of Propargylic Diols



### Selected examples:



**Significance:** The authors report a step-economical and functional group tolerant method for the synthesis of tetra-, penta-, and hexa-substituted 1,3-butadienes from underivatized propargylic diols and aryl or alkenyl boronic acids in moderate to high yields.

**Comment:** The reported method can be applied to remarkably short syntheses of highly substituted benzofulvenes and aryl indenenes through treatment of the cross-coupled products with acid.

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Category

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Synthesis

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boron

Suzuki–Miyaura  
coupling

Synfact  
of the month