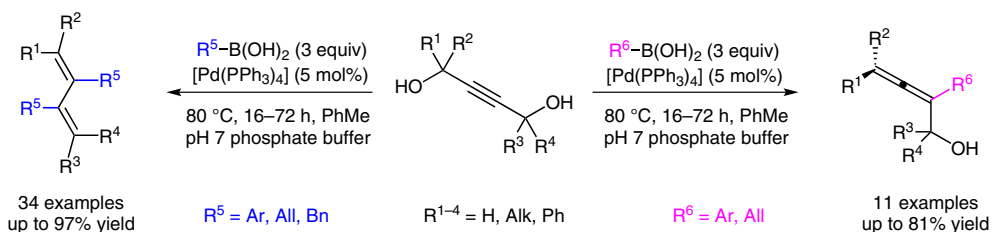


N. J. GREEN, A. C. WILLIS, M. S. SHERBURN* (AUSTRALIAN NATIONAL UNIVERSITY, CANBERRA, AUSTRALIA)

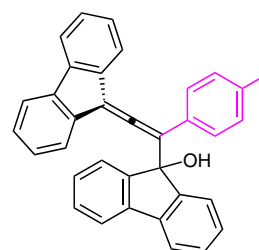
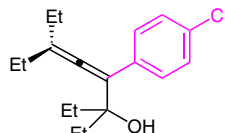
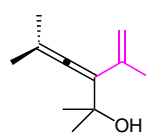
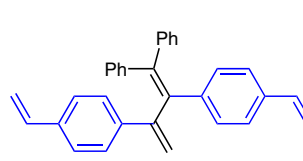
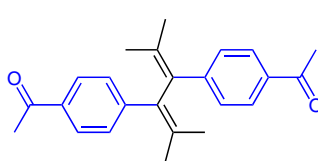
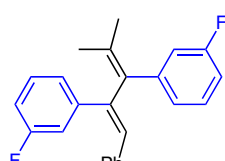
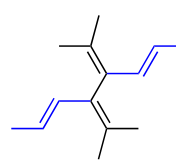
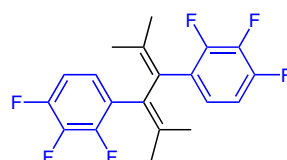
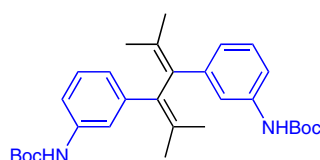
Direct Cross-Couplings of Propargylic Diols

Angew. Chem. Int. Ed. **2016**, *55*, 9244–9248.

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.

SYNFACTS Contributors: Paul Knochel, Marthe Ketels
Synfacts 2016, 12(09), 0955 Published online: 18.08.2016
DOI: 10.1055/s-0035-1561874; Reg-No.: P09416SF

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Category

Metal-Mediated
Synthesis

Key words

propargyl diols

boron

Suzuki–Miyaura
coupling

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