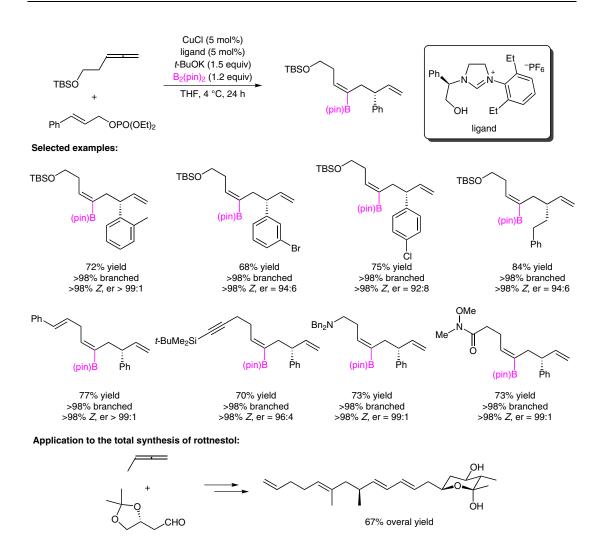
F. MENG, K. P. MCGRATH, A. H. HOVEYDA\* (BOSTON COLLEGE, CHESTNUT HILL, USA) Multifunctional Organoboron Compounds for Scalable Natural Product Synthesis *Nature* **2014**, *513*, 367–374.

## An Efficient, Practical, and Selective Multicomponent Copper-Catalyzed Process



Significance: The authors demonstrate the generation of multifunctional alkenylboron fragments starting from two simple unsaturated organic molecules and a commercially available diboron reagent. These fragments were shown to carry several advantageous properties. The catalyst used is generated in situ by the reaction of inexpensive CuCl with a chiral ligand which was prepared on multigram scale in good yield.

**Comment:** The practical protocol can be performed on large scale and makes gram quantities of a variety of complex organic molecules easily available. The products, which contain a stereogenic carbon center, a monosubstituted alkene, and an easily functionalizable *Z*-trisubstituted alkenylboron group, are obtained in good yields and excellent selectivities.

 SYNFACTS Contributors: Paul Knochel, Thomas Klatt

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