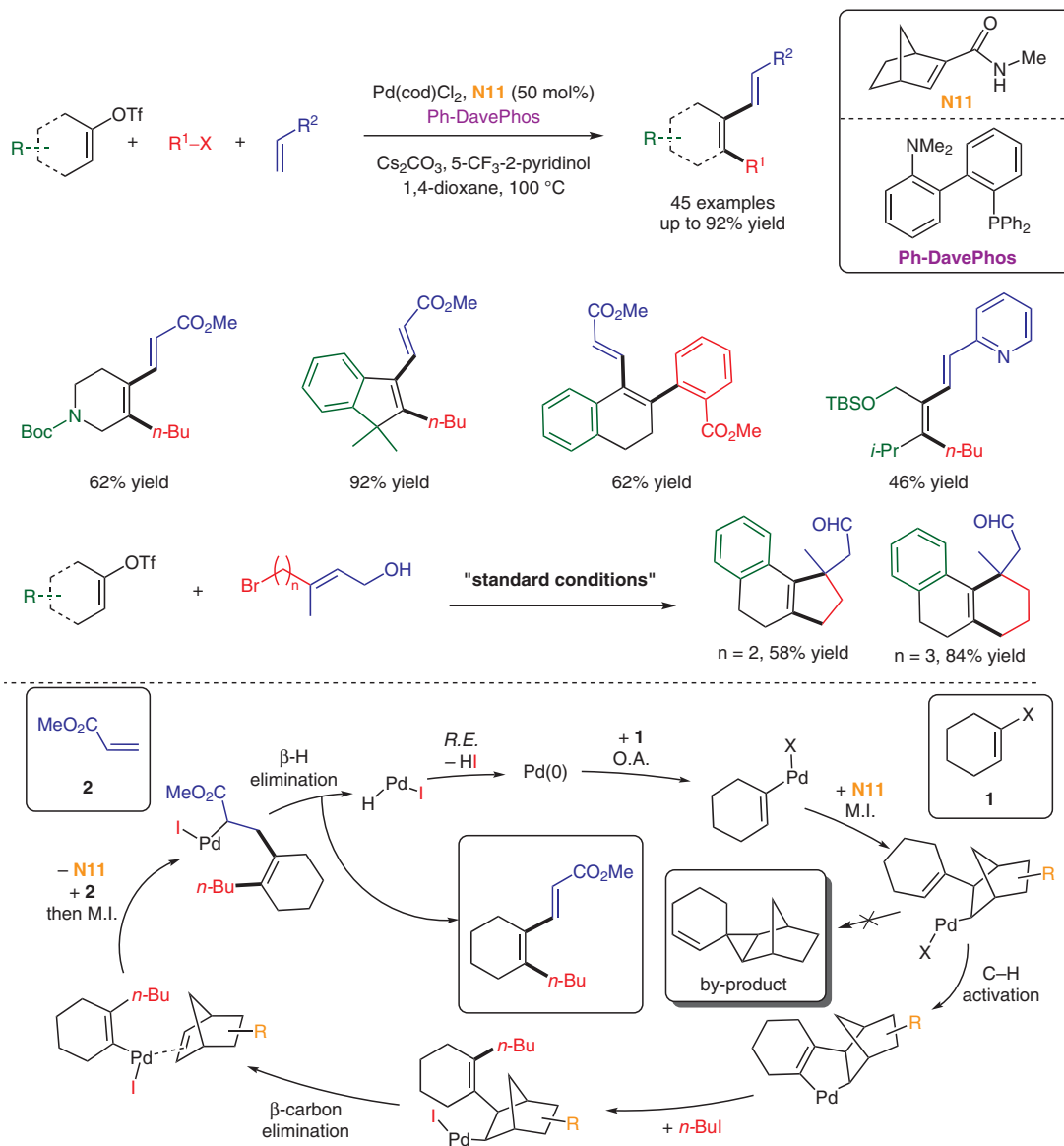


Regioselective Synthesis of Tetrasubstituted Olefins via an Alkenyl Catellani Reaction



Significance: The Dong group reports a general method for the bis-functionalization of alkenes via a Catellani reaction. This method affords unsymmetrical tetrasubstituted alkenes. The use of a functionalized norbornene gave high yields and selectivities.

Comment: Utilization of the *N*-methyl amide-substituted norbornene (**N11**) was optimal as it gave the highest yield of product and eliminated the formation of the cyclopropane adduct. A mechanism was proposed that was supported with detailed kinetic analysis.