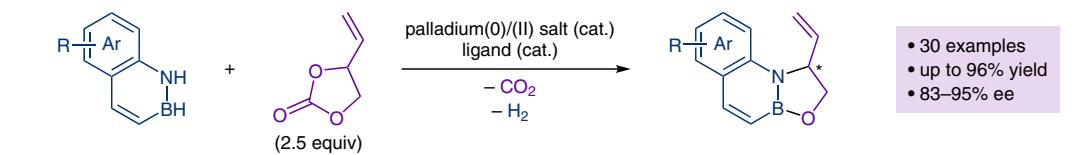
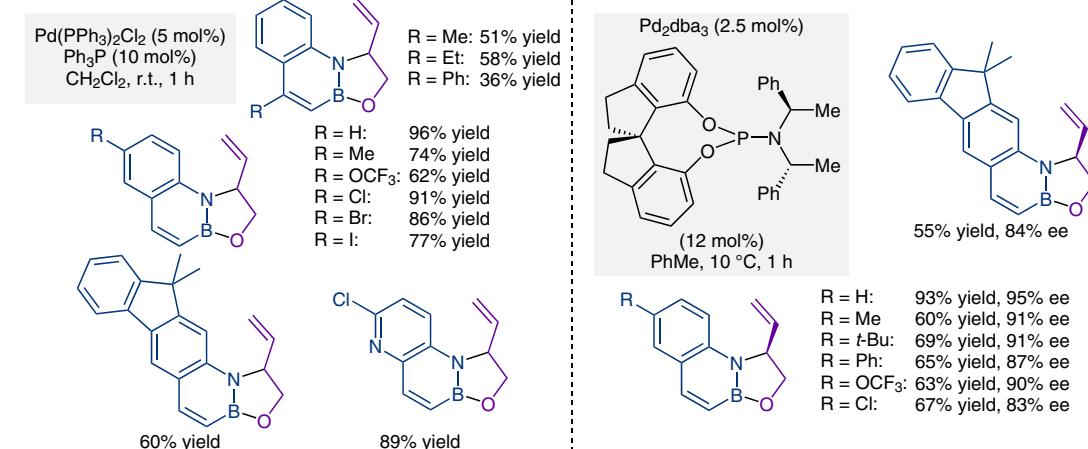


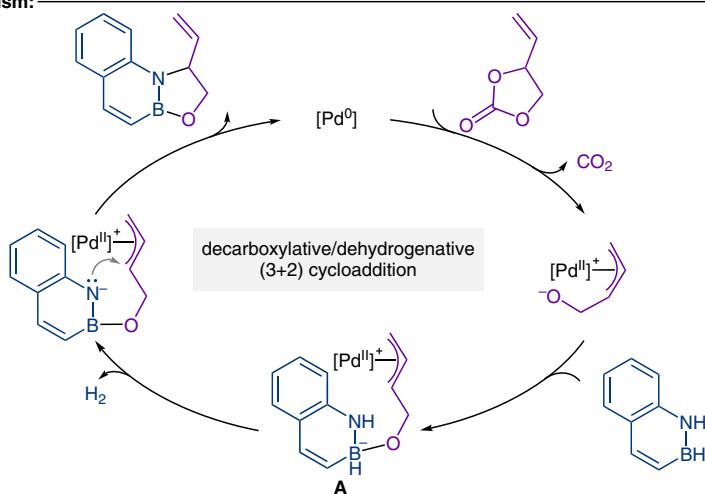
Access to Oxazaborolidines by Catalytic Cycloaddition of 1,2-Azaborines and Vinyl Ethylene Carbonate



— Selected examples:



— Proposed mechanism:



Significance: A palladium-catalyzed protocol for the (asymmetric) construction of oxazaborolidines is reported. The transformation proceeds through a decarboxylative/dehydrogenative (3+2) cycloaddition of 1,2-azaborines and vinyl ethylene carbonate.

Comment: This procedure provides access to polycyclic oxazaborolidines in good yields and excellent enantioselectivities. Mechanistic experiments support the release of molecular H_2 from the zwitterionic intermediate A.