

Chem 345 – Organic Reactions

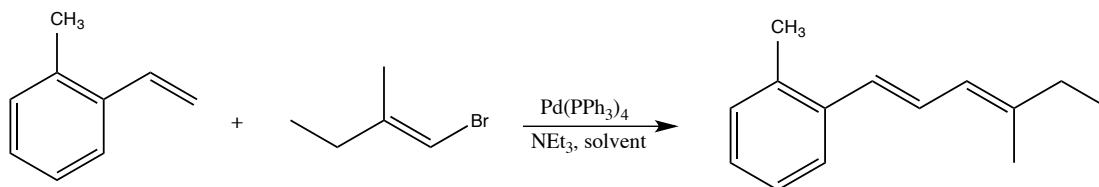
Chapter 18

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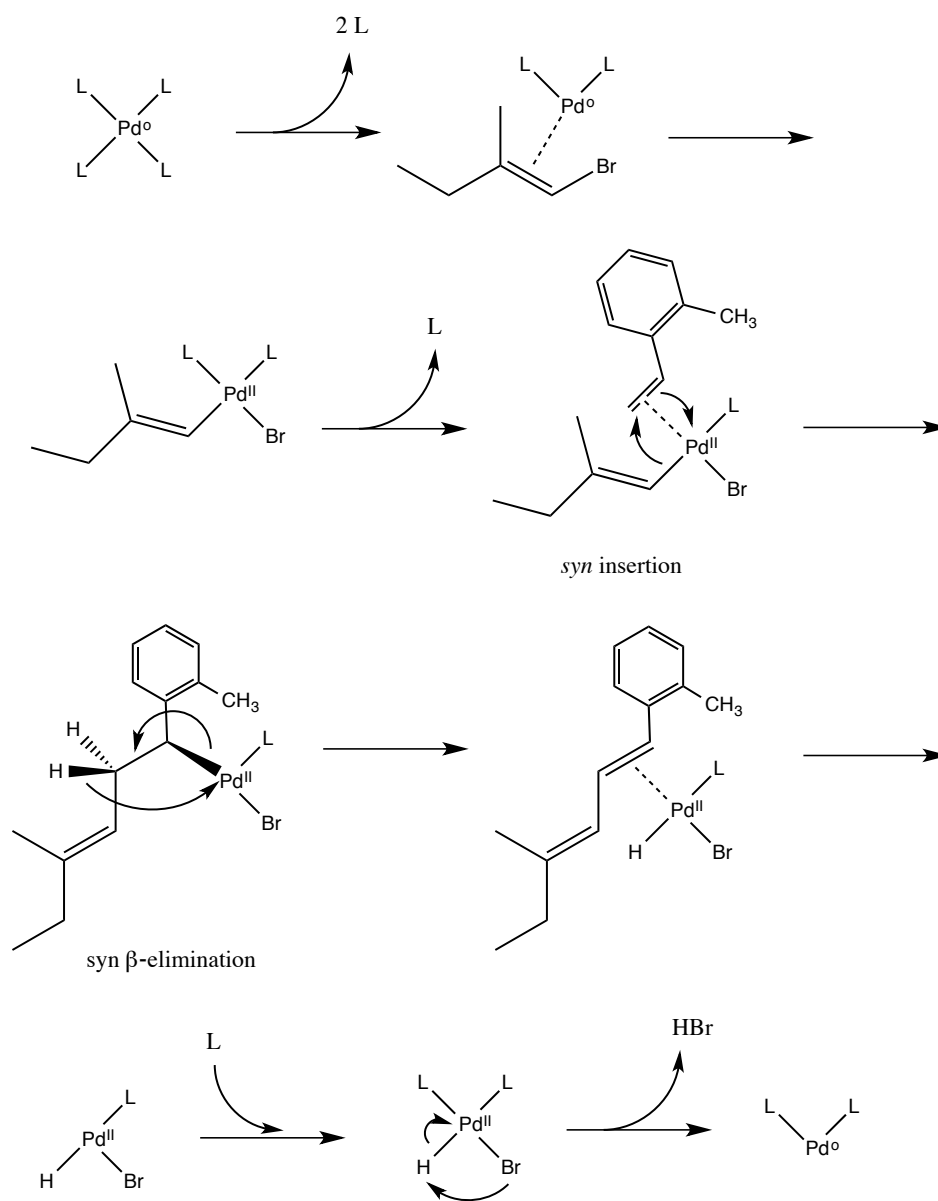
<http://www.chem.wisc.edu/areas/clc> (Resource page)

Heck Reaction

Reaction:



Mechanism:



In the Heck reaction the insertion of the second alkenyl reagent occurs in a *syn* fashion. A hydride elimination is required in this reaction. It has a *syn* arrangement with respect to the Pd bond.

Another way of looking at the mechanism is viewing it in a cycle.

