## Engle lab short problem set

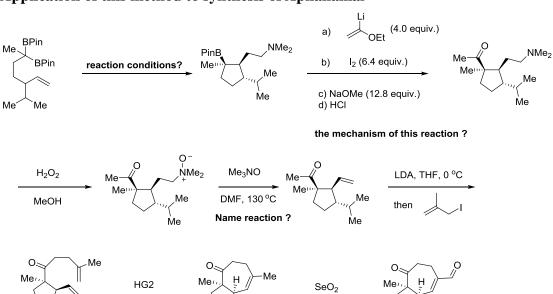
## 09/07/2017

Prof. James P. Morken has made significant contributions to organo-boron chemistry. Today's topic is a boron alkylidene–alkene cycloaddition reaction.

## Application of this method to synthesis of Aphanamal

toluene, 80 °C

write the structure HG2?



dioxane

80 °C, 3h

Name reaction?

Aphanamal