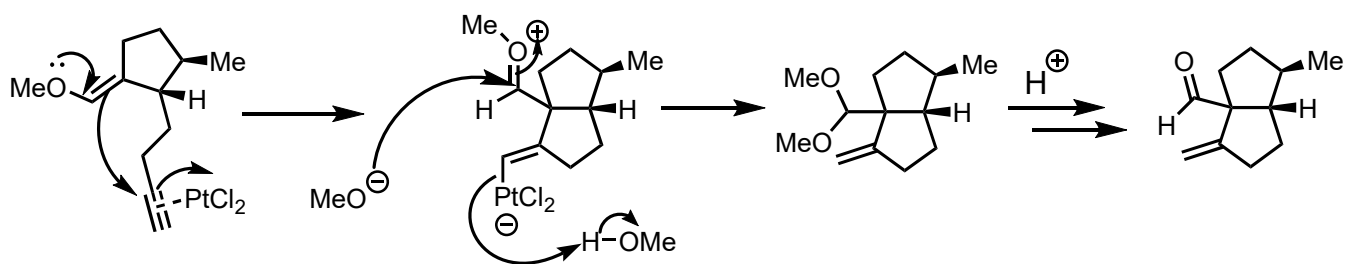
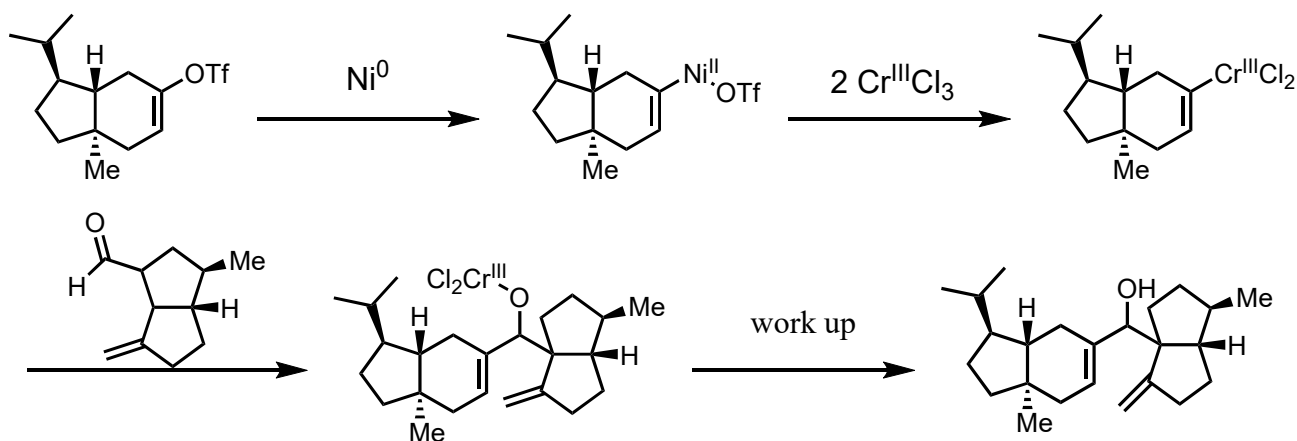
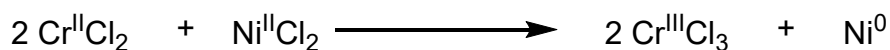


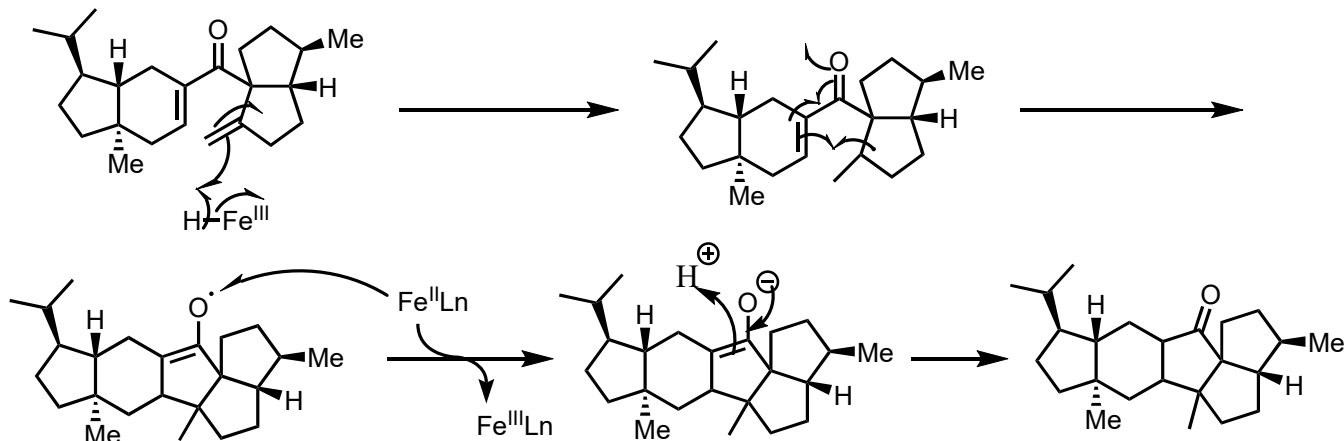
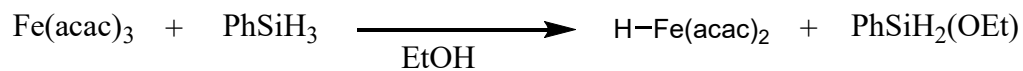
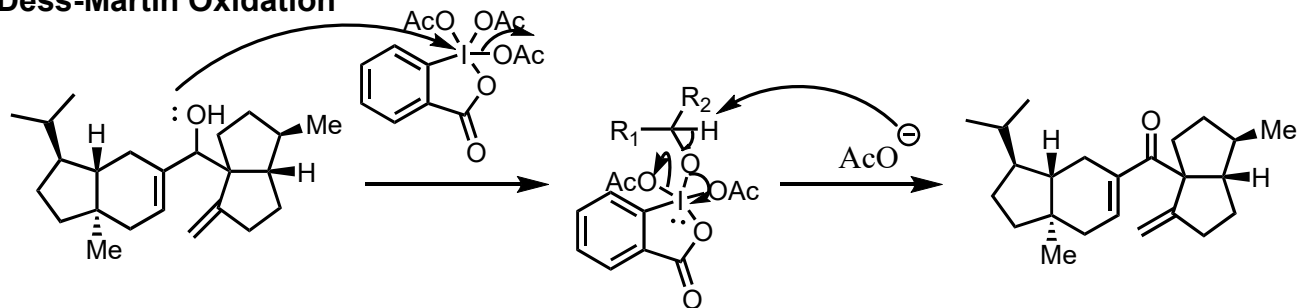
Conia-ene rearrangement



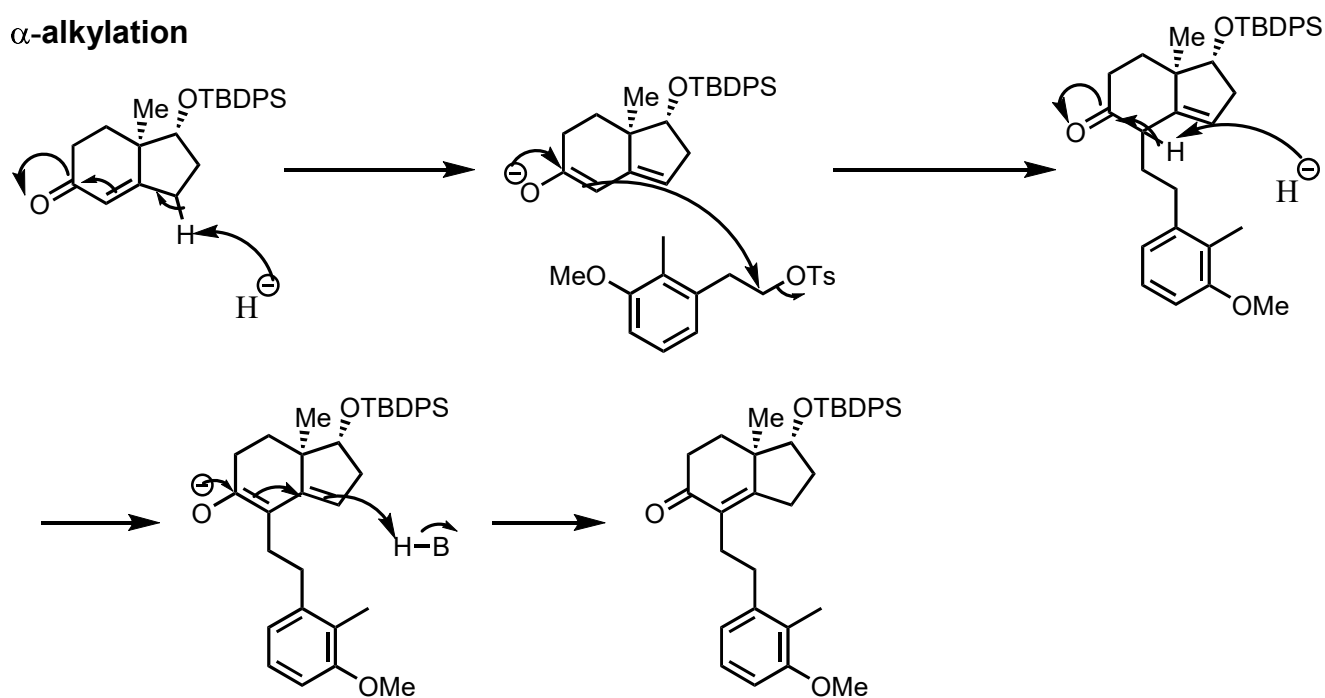
NHK reaction



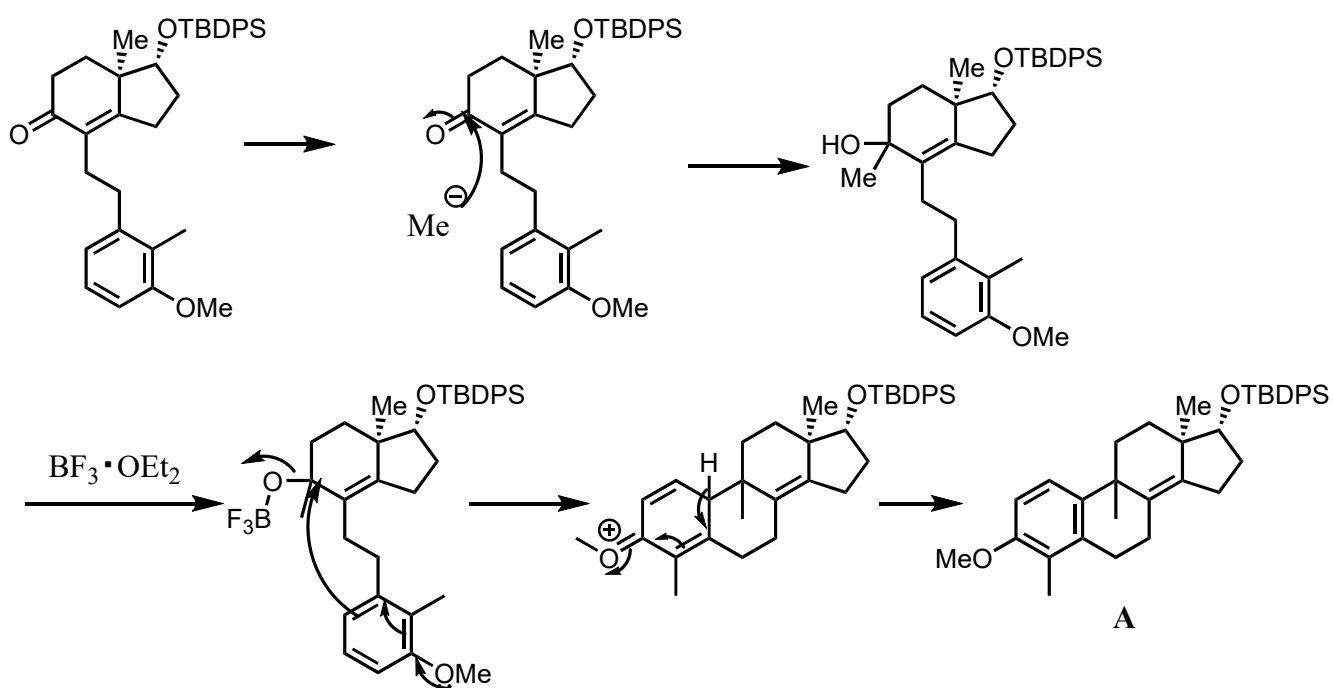
Dess-Martin Oxidation



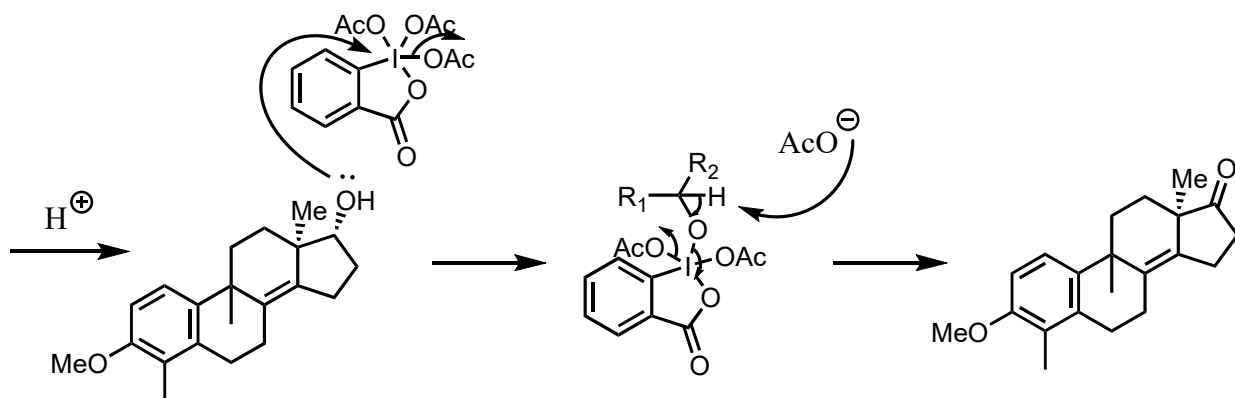
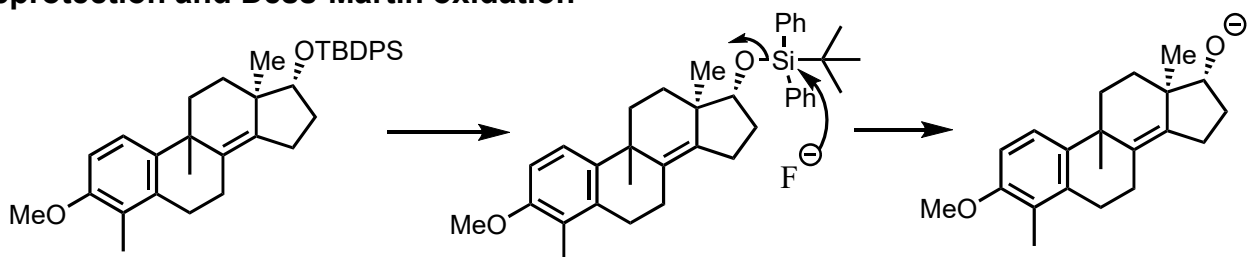
α -alkylation



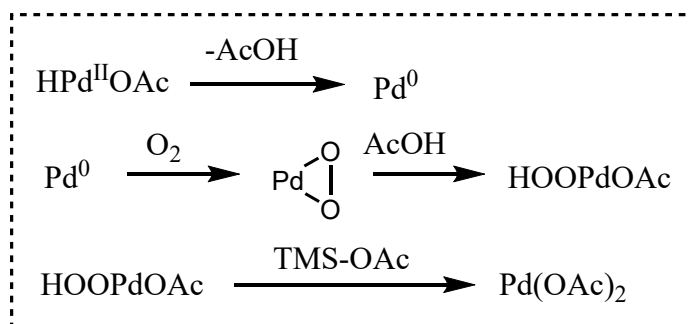
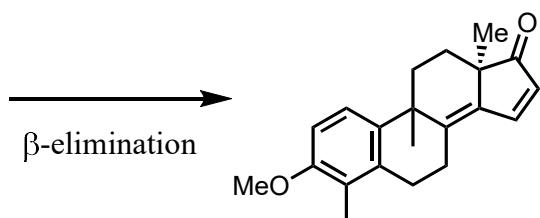
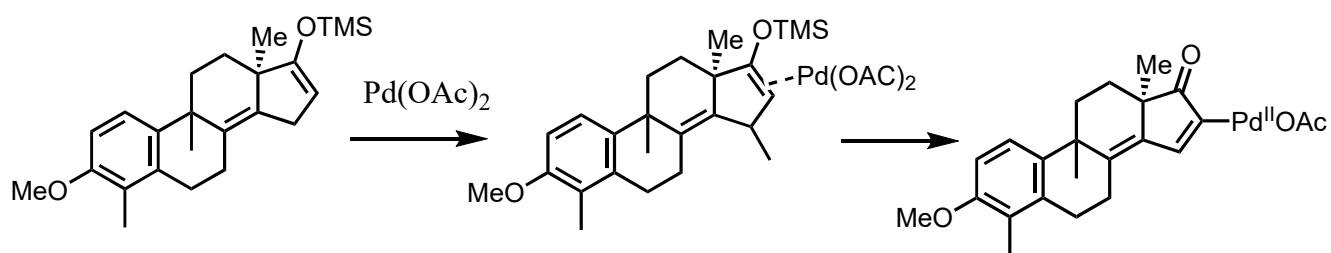
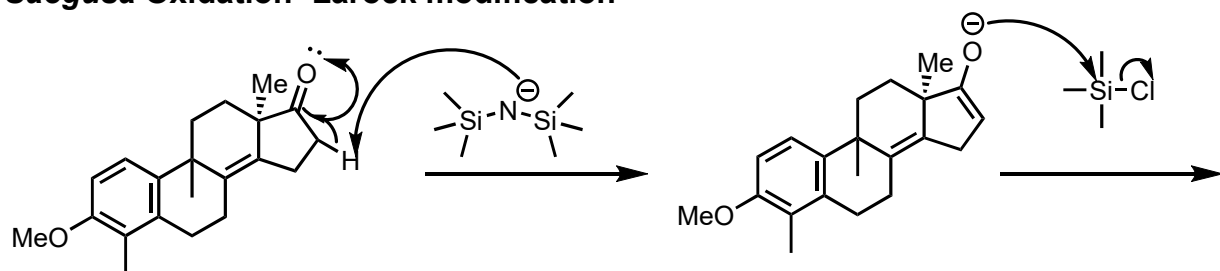
1,2-addition and Friedel-Crafts cyclization



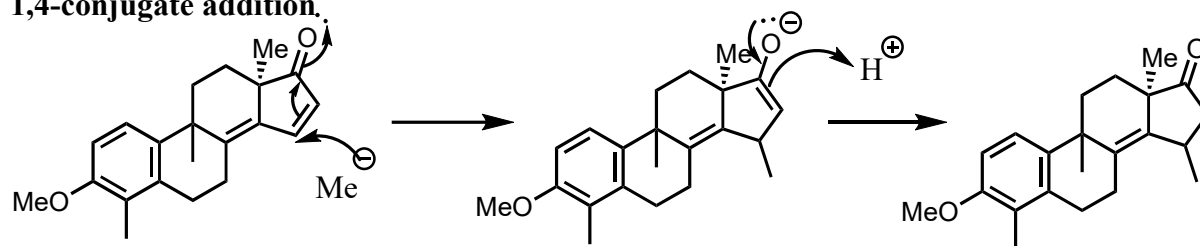
deprotection and Dess-Martin oxidation



Saegusa Oxidation -Larock modification



1,4-conjugate addition.



DIBALH reduction and oxidative dearomatization

