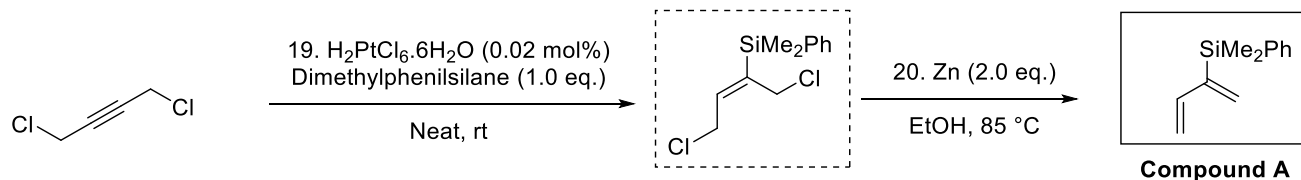
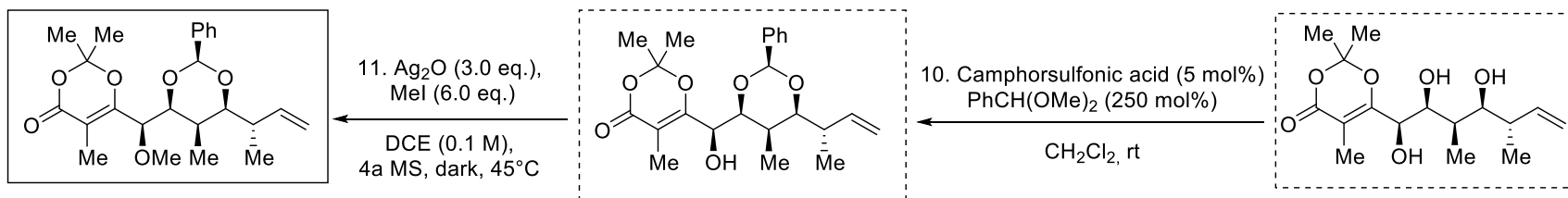
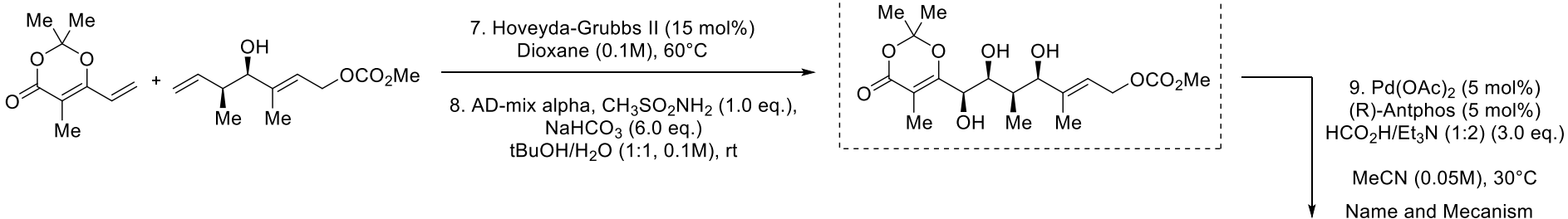
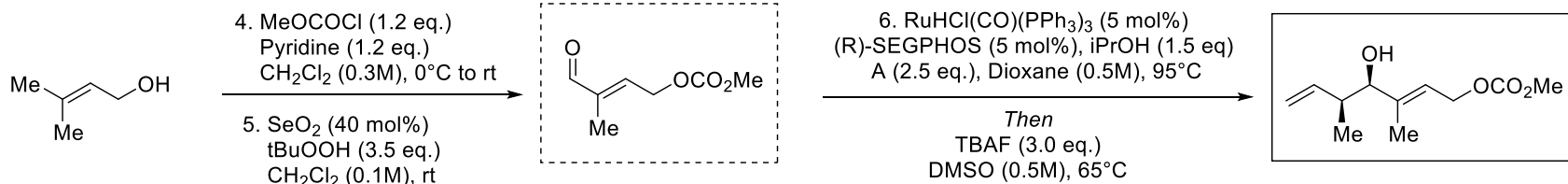
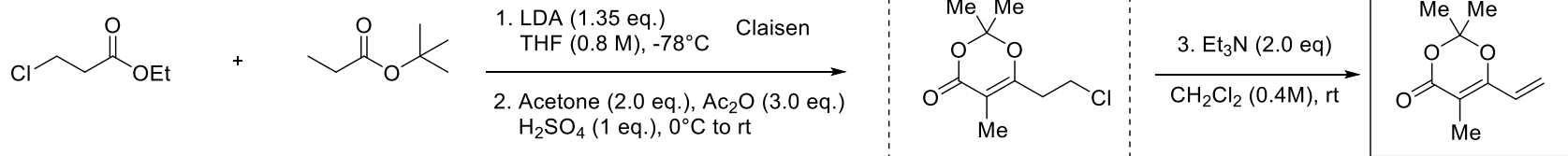
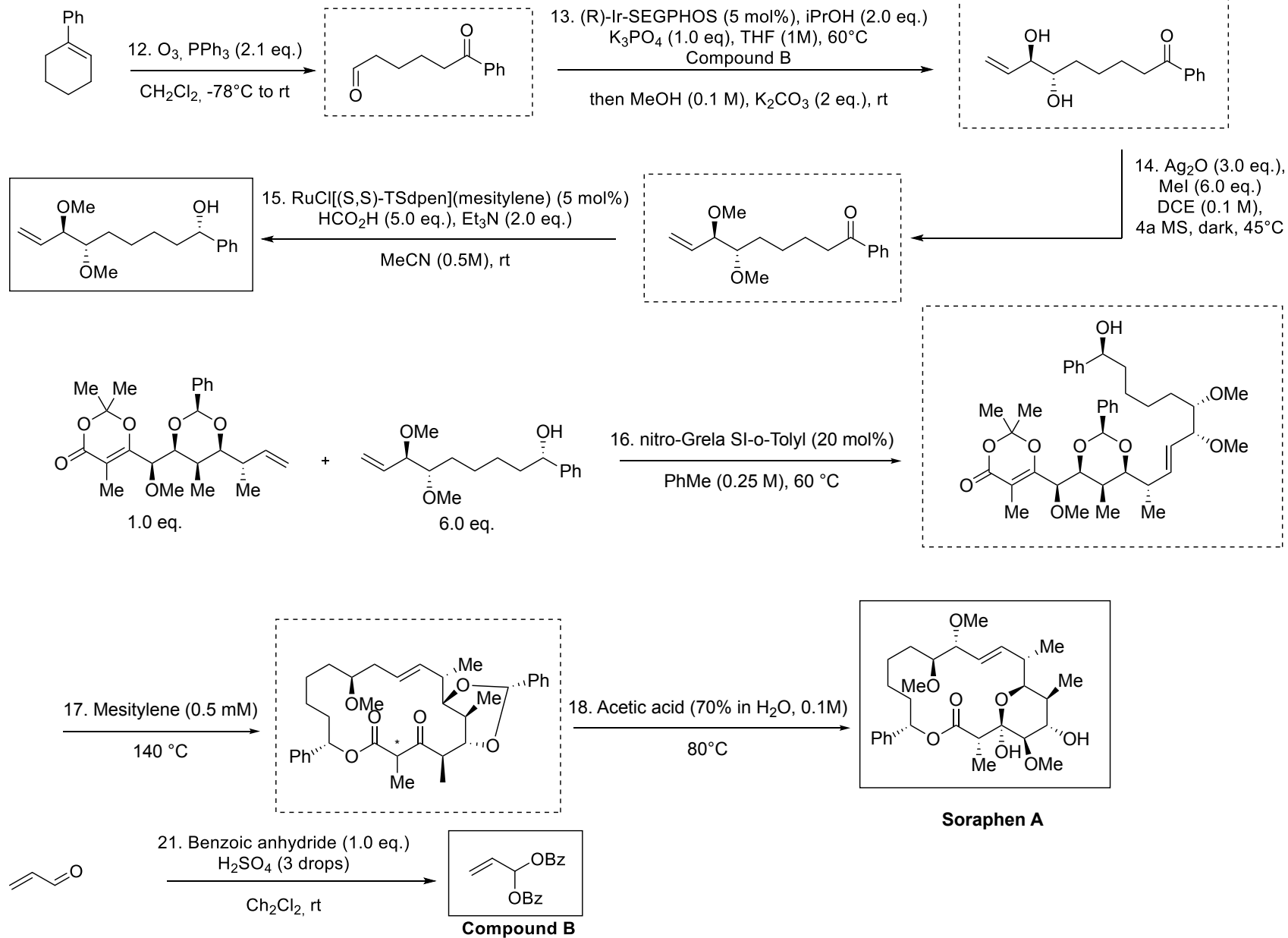
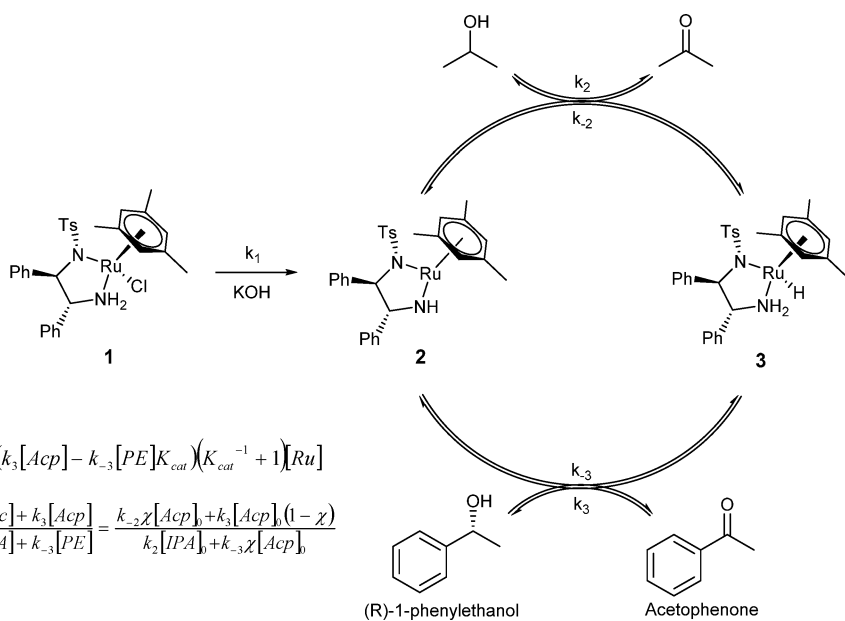


# E194: Total Synthesis of Soraphen A







$$\text{rate} = \frac{d[PE]}{dt} = (k_3[Acp] - k_{-3}[PE]K_{cat})(K_{cat}^{-1} + 1)[Ru]$$

$$K_{cat} = \frac{[2]}{[3]} = \frac{k_{-2}[Ac] + k_3[Acp]}{k_2[IPA] + k_{-3}[PE]} = \frac{k_{-2}\chi[Acp]_0 + k_3[Acp]_0(1-\chi)}{k_2[IPA]_0 + k_{-3}\chi[Acp]_0}$$

