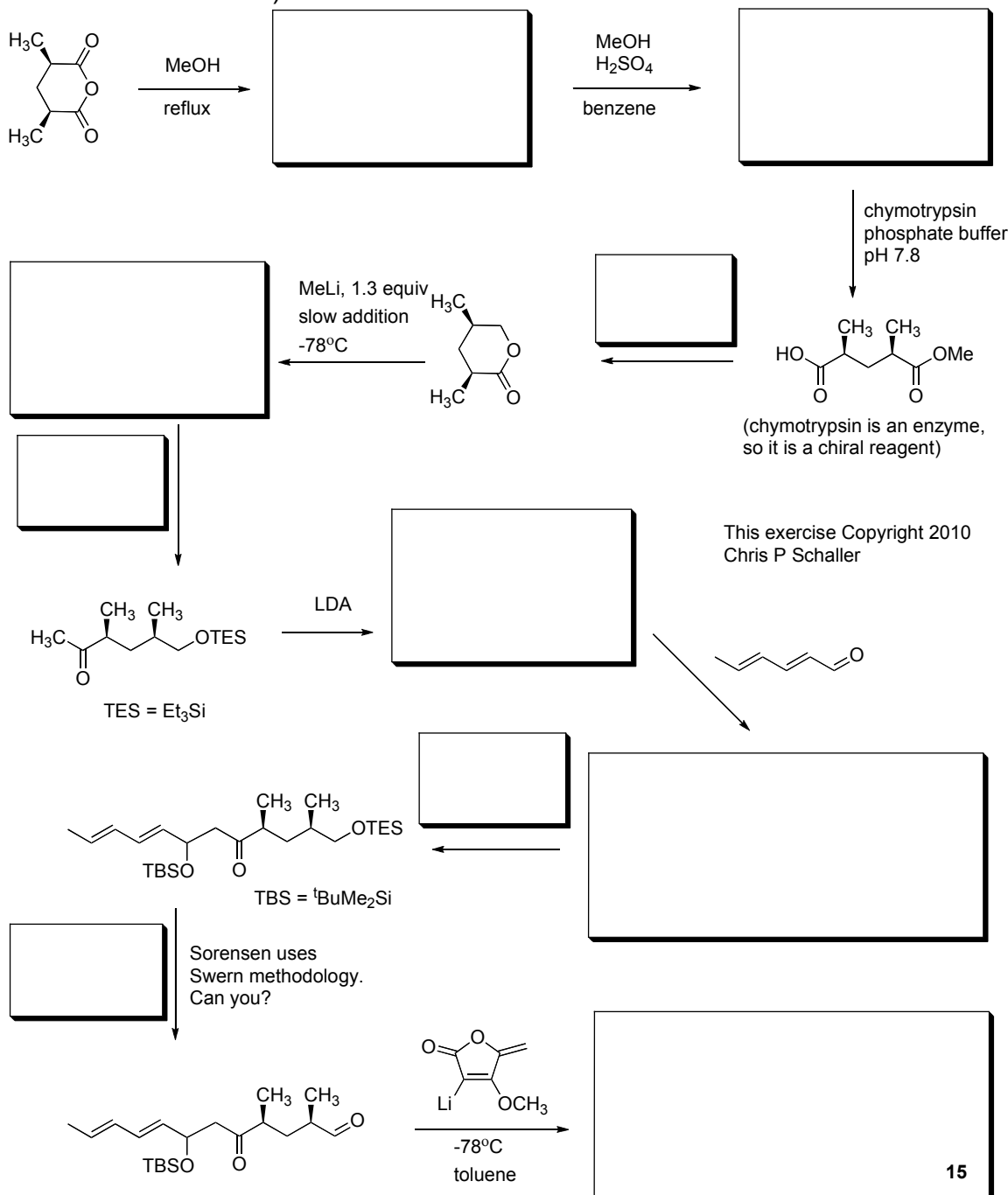
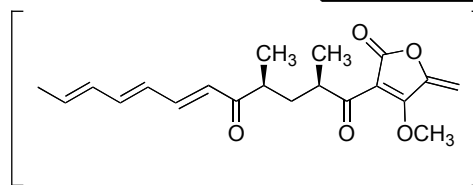
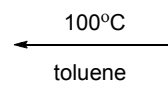
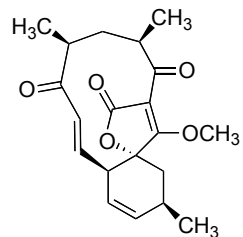
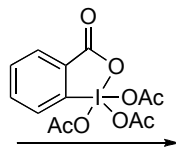
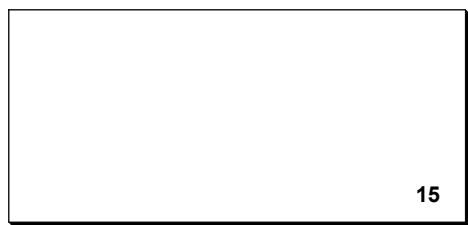


Synthesis of Abyssomicin C, Sorensen, Princeton, 2005

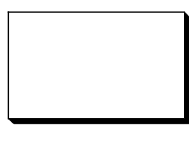
Abyssomicin is a natural product produced by an actinomycete found at depths of 300 m beneath the Sea of Japan. It inhibits methicillin-resistant and vancomycin-resistant bacteria (i.e. kills bacteria that can survive current "last-line of defense" antibiotics).



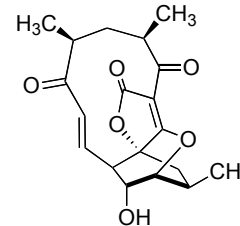
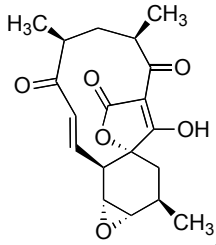
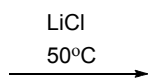
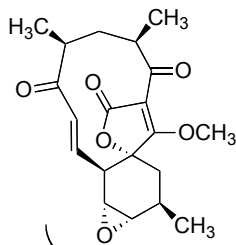
Abyssomicin, part 2



Circle and label the **diene** and the **dienophile**.



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Abyssomicin C

Show a mechanism for this step, and explain the leaving group stability.