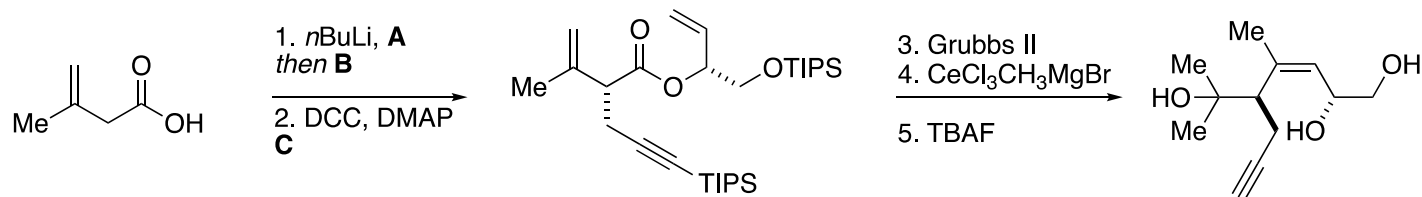
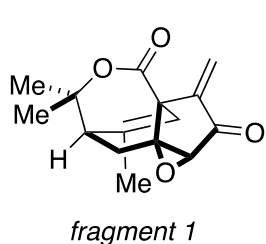
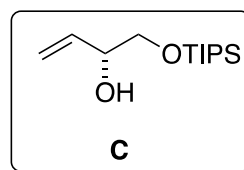
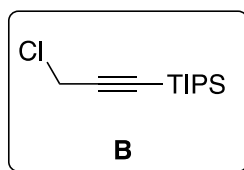
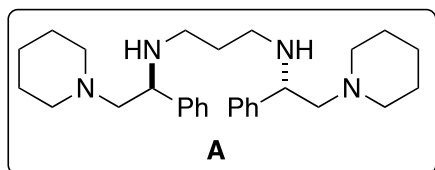
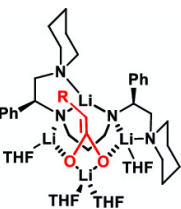


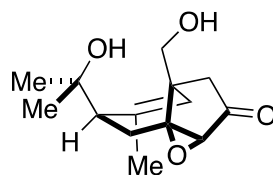
# E141: Synthesis of (+)-Haperforin G



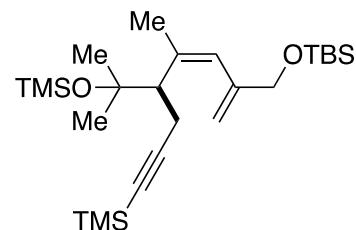
6. TBSCl, imidazole
7. KHMDS, TMSCl
8. TPAP, NMO
9.  $\text{Ph}_3\text{PCH}_2$

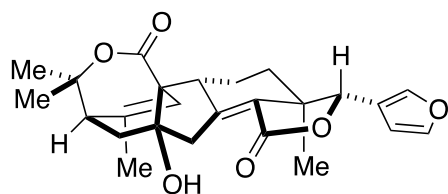
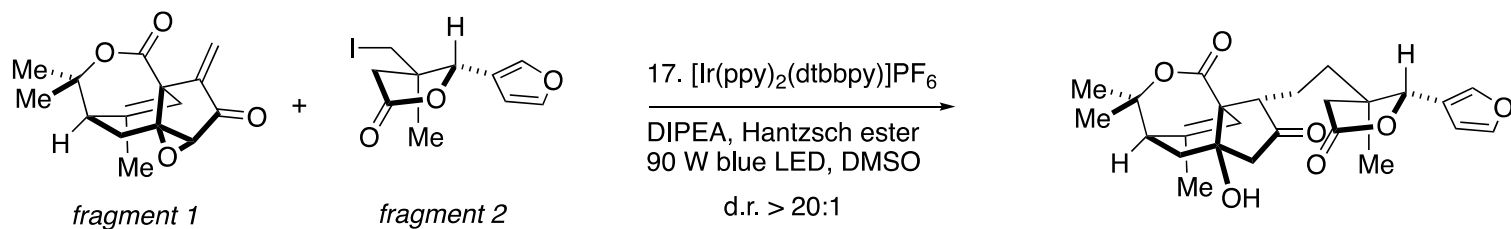
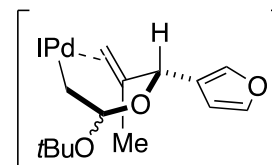
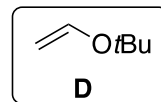
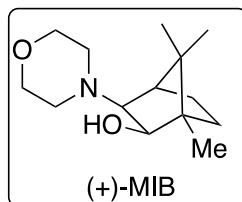
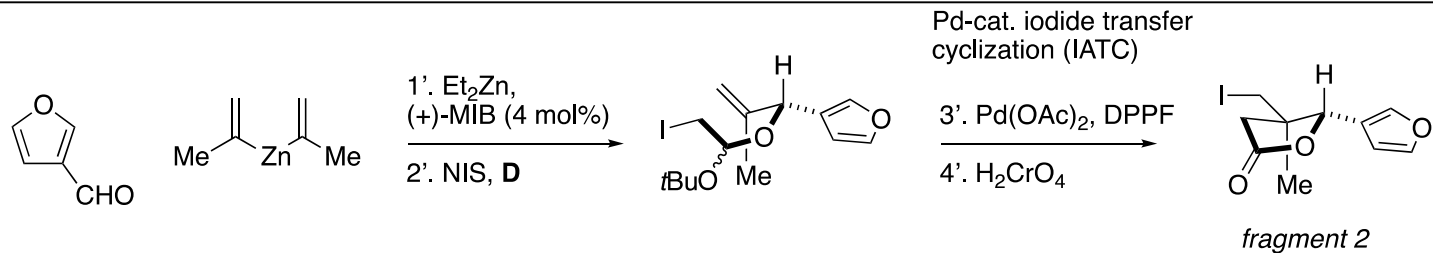


13. TPAP, NMO
14. KHMDS, 18-c-6, MeI
15. KHMDS, PhSeBr
16.  $\text{NaHCO}_3$ ,  $\text{H}_2\text{O}_2$



10.  $\text{Co}_2(\text{CO})_8$ ,  $\text{CO}(g)$
11. TBAF
12.  $\text{NaOH}$ ,  $\text{H}_2\text{O}_2$





(+)-Haperforin G  
 limonoid tetranortriterpenoid  
 human 11β-HSD1 inhibitor

