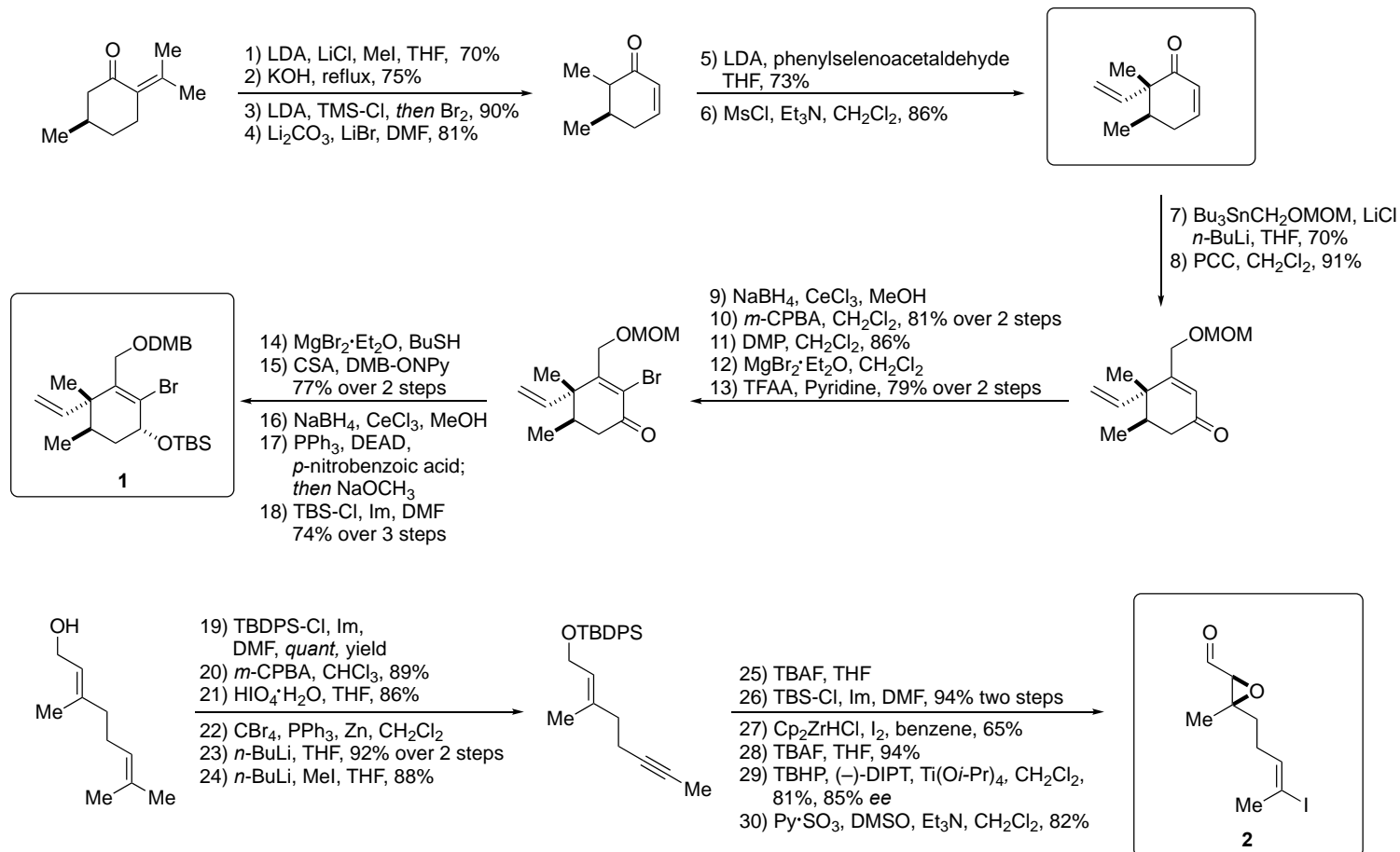
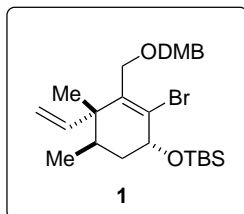


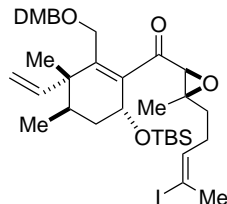
# E57: Total Synthesis of (+)-Phomactin A



DMB = 3,4-Dimethoxybenzyl



31) *t*-BuLi, Et<sub>2</sub>O; then **2**, 51%  
 32) DMP, NaHCO<sub>3</sub>, CH<sub>2</sub>Cl<sub>2</sub>, 90%



33) TBAF, THF, 91%  
 34) HCl (1%), *t*-amyl alcohol, 65%  
 35) TES-Cl, Im, DMF, 83%  
 36) DDQ, CH<sub>2</sub>Cl<sub>2</sub>, 87%  
 37) TMS-OTf, pyridine, CH<sub>2</sub>Cl<sub>2</sub>, 81%  
 38) 9-BBN, THF, then H<sub>2</sub>O, Pd(dppf)Cl<sub>2</sub>,  
 AsPh<sub>3</sub>, Ti<sub>2</sub>CO<sub>3</sub>, DMF/THF/H<sub>2</sub>O, RT, 37%  
 39) TBAF, THF, 78%

