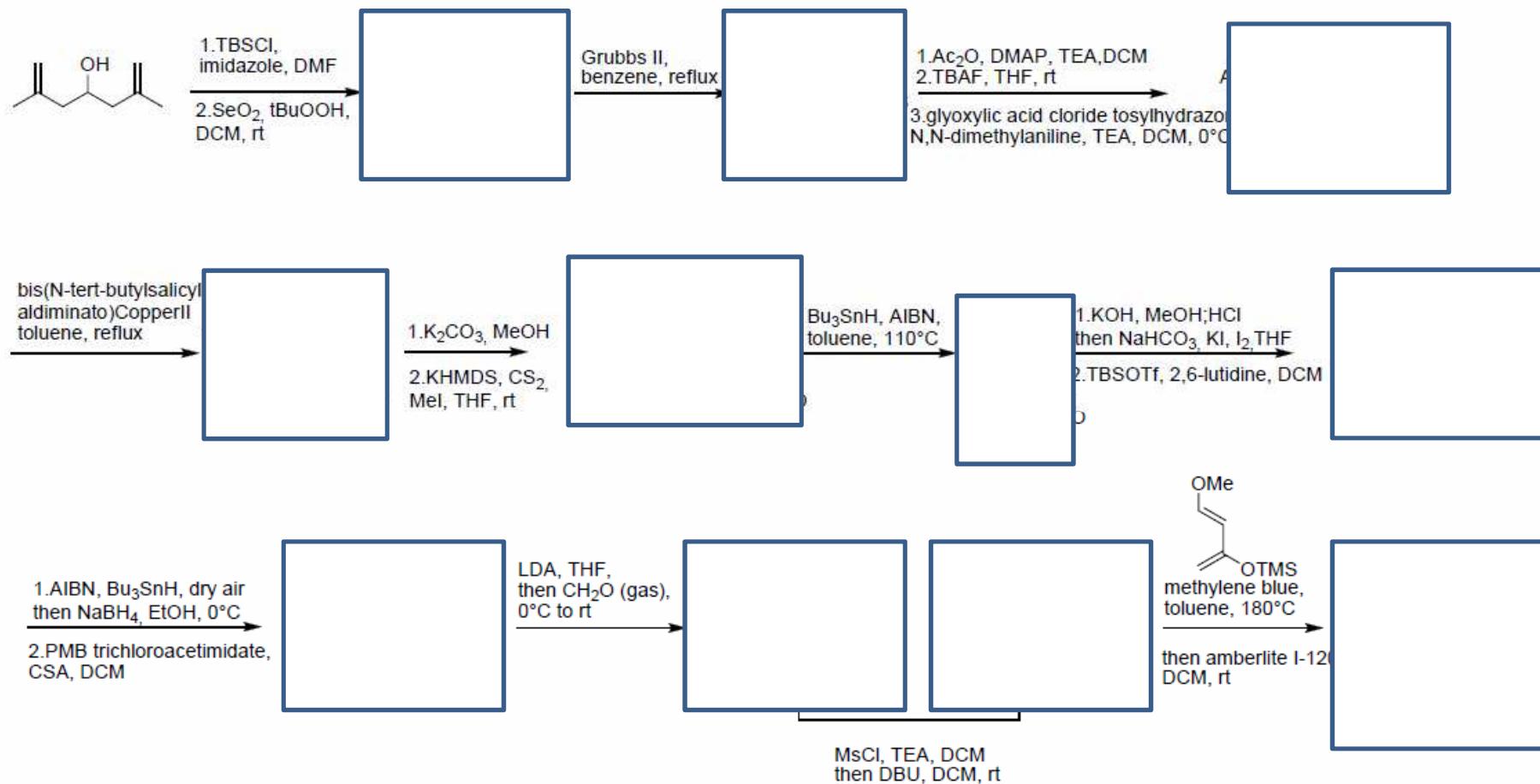
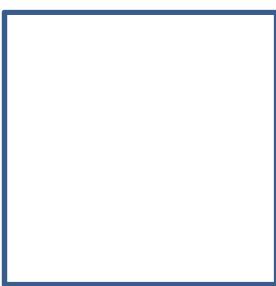


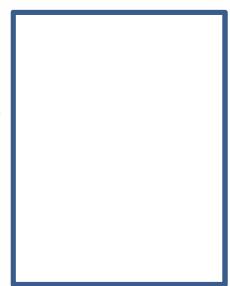
Denksport, 26.4.2007



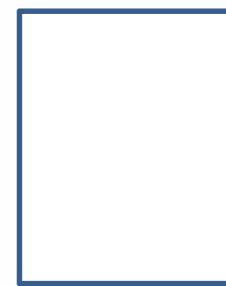
1. $\text{Ph}_3\text{P}^+\text{CH}_3\text{I}^-$ , KHMDS,  
-78°C to rt  
2.TBAF, THF, rt



1.DIBAL, DCM, -78°C  
2.CSA, 4 Å MS, DCM



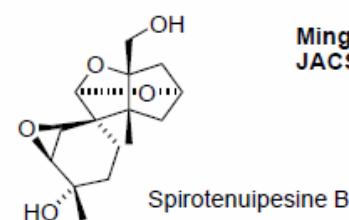
1.OsO<sub>4</sub>, pyridine, rt  
2.NaIO<sub>4</sub>, THF/H<sub>2</sub>O, 0°C to rt



MeLi,  $\text{CeCl}_3$ , THF, -78°C



1.DDQ, DCM/buffer  
2.oxone, DCM/MeOH/  
buffer/acetone



Mingji Dai and Samuel J. Danishefsky,  
JACS, 2006, 129(12), 3498 - 3499