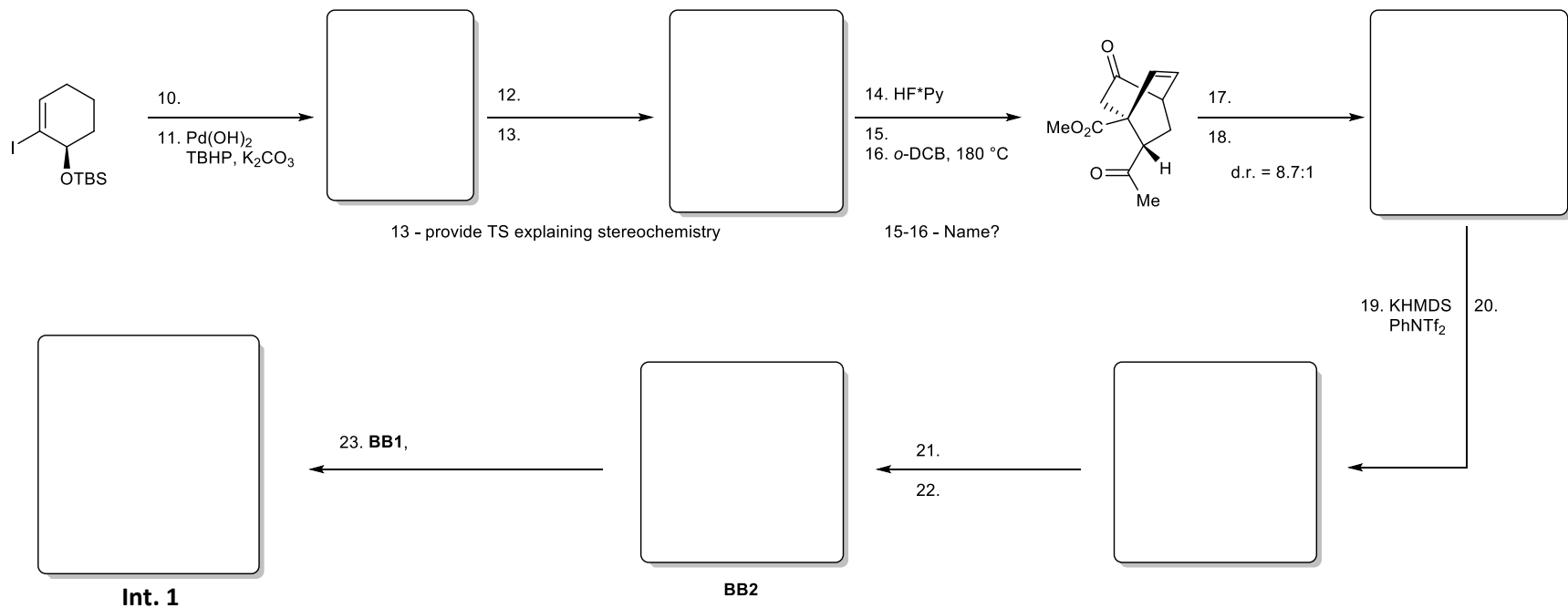
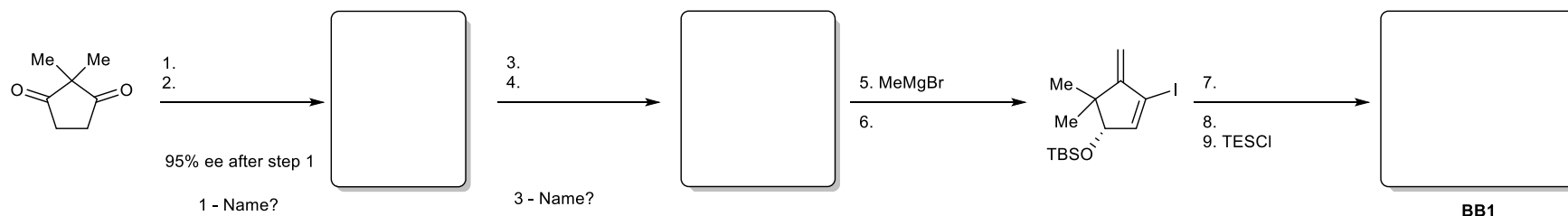
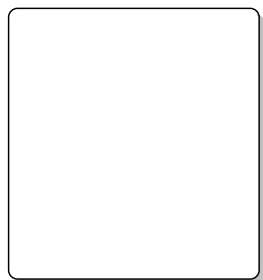
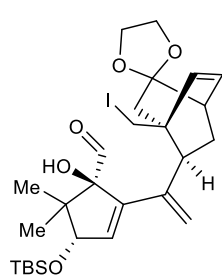


E226: Total synthesis of Rhomodolines A and B

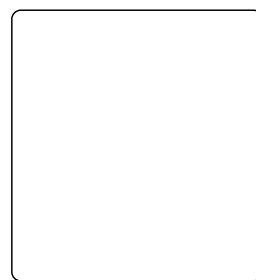




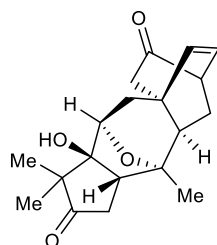
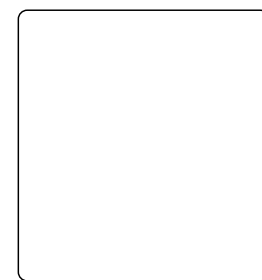
Int. 1



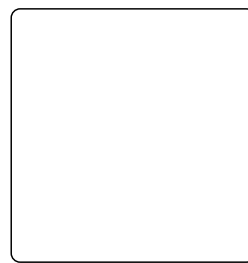
26.
27. VO(acac)₂, TBHP
27 - explain stereochemistry



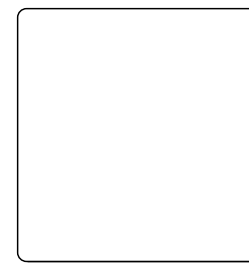
28. NaH, A
29.
29 - Name?



32. SOCl₂, Py
33. Stryker's reagent



major

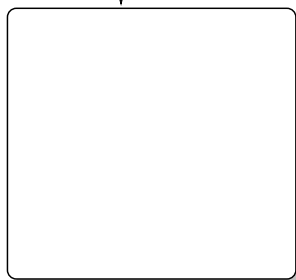


minor

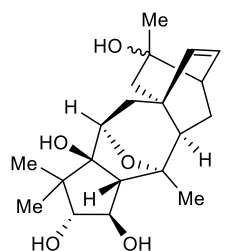
30.
31. TiCl₄ (10 eq.)
31 - provide mechanisms for both products

34.
35.
36.

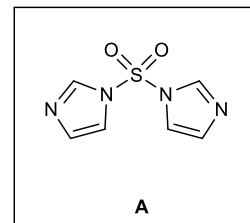
d.r. = 1:1 after 34



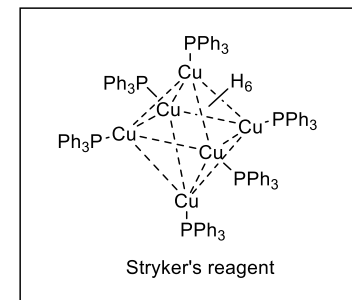
37.
then HCl
explain stereochemistry



Rhomodolin A - (S)-OH
Rhomodolin B - (R)-OH



A



Stryker's reagent