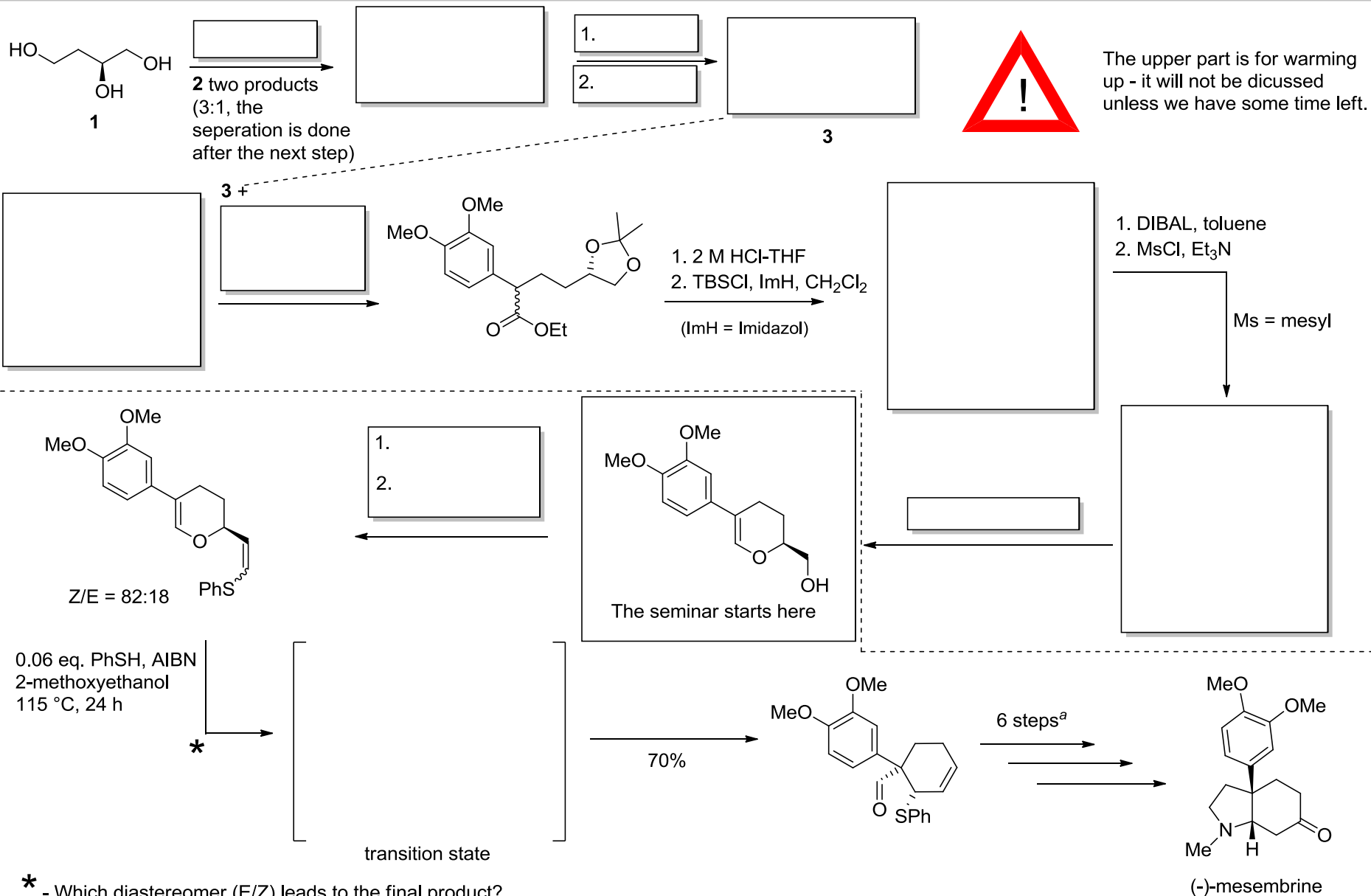


Problem Seminar: Part of the synthesis of (-)-mesembrine



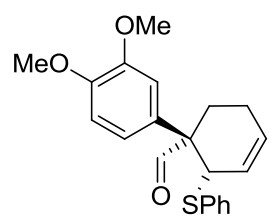
- * - Which diastereomer (E/Z) leads to the final product?
 - Which diastereomer reacts faster?
 - Why is AIBN and thiophenol added to the reaction mixture?

a) the 6 steps can be solved on a separate sheet which will not be discussed in the seminar

Final 6 steps of the synthesis of (-)-mesembrine

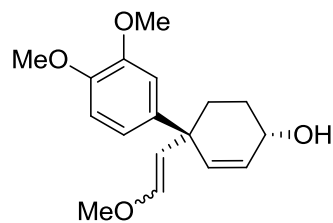


This sheet will not be part of the seminar

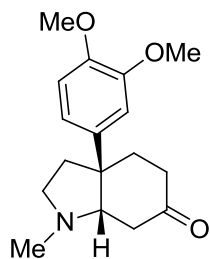


Wittig-reaction

1.0 eq. DMDO
acetone, -78°C



3 steps



(-)-mesembrine