Asymmetric Total Synthesis of *(+/-)* Virosaine A

2. 5% aq. HCl,
THF, rt

3. NH$_2$OTBS,
4A MS, DCM, rt

4. NaH, THF,
0°C to rt

5. AcOH, 30min

6. CDI, KOH,
PhMe, 60°C

then nBuNH$_2$,
CH$_2$Cl$_2$, rt

7. sBuLi, THF,
then Br$_2$, -78°C

8. AIBN, PhH, 85°C

9. LAH, THF
0°C to 70°C

10. O$_3$, CH$_2$Cl$_2$
DMS, -78°C
then DMP, pyr
CH$_2$Cl$_2$, rt

Al$_2$O$_3$
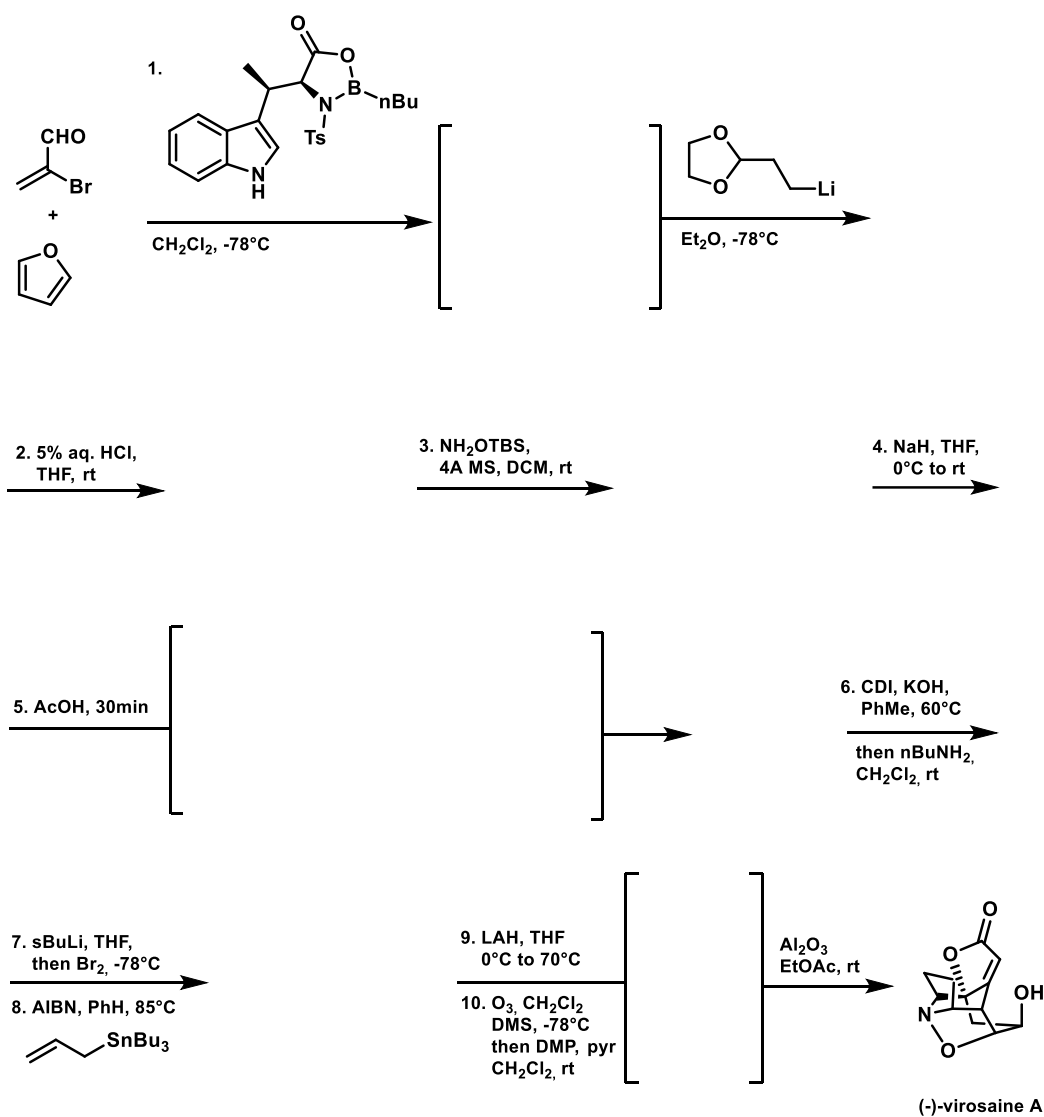**EtOAc, rt**

(-)-virosaine A

Their initial plan was to follow the approach described below but they ran into problems with step 8) !
Why? What did happen?

6. diketene, DMAP,
CH$_2$Cl$_2$, -20°C to rt;
MsN$_3$, Et$_3$N, rt;
then LiOH*H$_2$O, rt

7. Et$_3$SiOTf, Et$_3$N,
CH$_2$Cl$_2$, rt

8. Rh$_2$(NHC(O)CF$_3$)$_4$
PhMe, 120°C