

Lab 4A • 01/25/12

[lab directions]

If you want to know if [the reaction] was done or not, we could be doing TLC. We have a ketone that we're turning into an alcohol, so there should be some noticeable difference in polarity between those two compounds. Since TLC is a technique based on polarity, we could take a spot of the solution, put it on a plate, see if only one dot forms or two dots form, and compare it, at the same time, to the starting material. If you end up with only dot in your product and it matches the starting material, you know the reaction hadn't gone at all yet. If you end up with a dot that was completely different, you know that you had completely converted into product. If you had two dots, one that matched the starting material, one that was not matching, then you know the reaction is working but is not done yet.

[lab directions]

Ground glass joints don't fit on non-ground glass glassware. If you have an Erlenmeyer flask, that glass stopper will not stopper it; it looks like it does, it may get stuck in there, but they are two different surfaces. In order to use ground glass glassware, both things that you stick together have to have that exact same taper.

[lab directions]

Structures

No structure for this lab lecture.