

Lab 10B • 02/23/12

You're making two different carbonyl derivatives, a derivative known as a semicarbazone. You're doing that with two starting materials. You're going to make those two different derivatives, individually, and then you're going to have a competing reaction, where the reagents used initially are combined. What you're trying to do is figure out which of those products is formed under kinetic control – which happens at lower temperature – and which one is formed under thermodynamic control, which is what happens at elevated temperature. You're analyzing everything by melting point.

[Mel-Temp directions review]

Structures

No structure for this lab lecture.