

[Paper #6 – “Synthesis of Tertiary  \$\alpha\$ -Hydroxy Acids by Silylene Transfer to  \$\alpha\$ -Keto Esters” by B.E. Howard & K.A. Woerpel, \*Org. Lett.\*, \*\*2007\*\*, 9\(22\), 4651-4653 \(DOI 10.1021/ol702148x\)](#)

I have not marked up this paper. I expect you to read it closely on your own. The classroom discussion (Friday, Mar 28) will involve reading the paper closely together and seeing how effective you were at extracting meaning from the paper.

Three things that I would like you to prepare in advance and bring with you to class:

1. Drawings that will enable you to talk about the stereochemistry of molecules and reactions in an informed manner
2. Drawings of reaction mechanisms (with curved arrows), or just crucial intermediates or transition states, that will enable you to talk about the chemical reactions in an informed manner
3. As much of an explanation of the spectral data for compound **3** as you can manage. If time permits, we will discuss this in class, but I will also ask you to turn this in at the end of class. The spectroscopic data can be found in the [supporting information](#) available online.