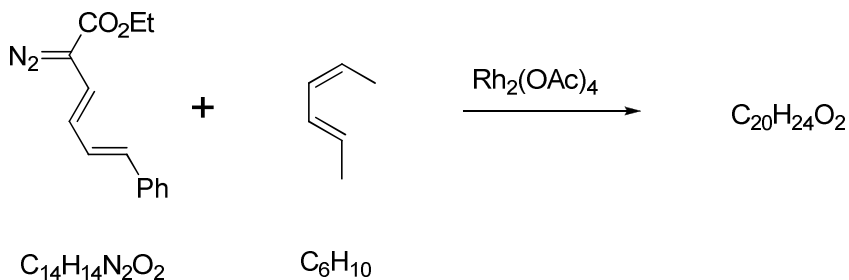


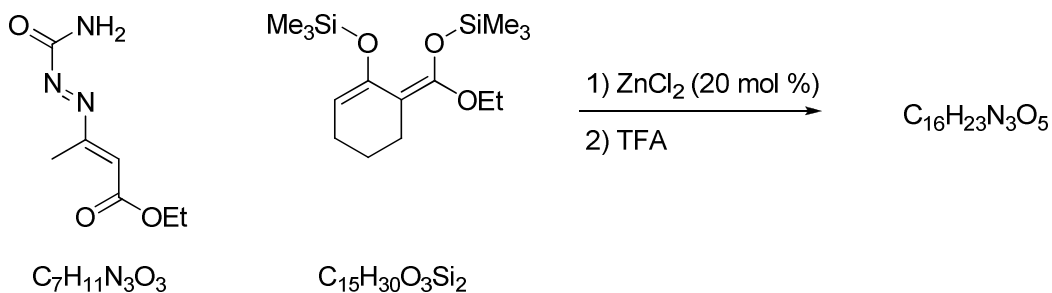
Supergroup Problem Set  
Jenny Werness  
11 February 2008

1. Predict the mechanism and product of the following transformation:



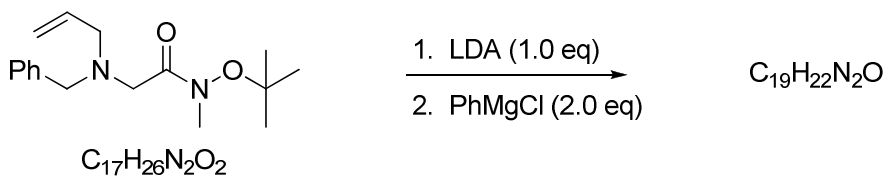
Davies, H. M. L., *Tetrahedron* **1993**, 49(24), 5203.

2. Predict the mechanism and product of the following transformation:



Langer, P. et al, *Synlett* **2007**, 19, 2965.

3. Predict the mechanism and product of the following transformation:



Somfai, P. et al, *Angew. Chem. Int. Ed.* **2008**, 47, 1.