Chem 41c Quiz 4

Stoltz, Spring 2009 May 8, 2009

You have 25 min to take this quiz. It is closed note, closed book, and no collaboration is allowed. Please do not discuss the quiz with anyone until you receive it back graded. Place a box around your answers. There is no partial credit.

Predict the products (if any) of the following reactions: (5 points each)

1.

3.

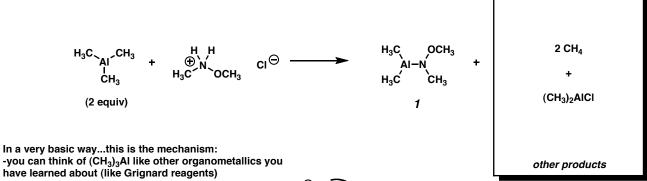
Provide reagents for the following transformations. (5 points each)

4

Bonus (5 points)

In class we learned that reagent 1 was useful for the conversion of esters to Weinreb amide derivatives. Reagent 1 is formed by mixing 2 equivalents of Me₃Al with H₂NCH₃(OCH₃)Cl.

- 1. Balance the equation by adding the missing other products.
- 2. Draw a mechanism for the formation of 1 from these reagents.



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