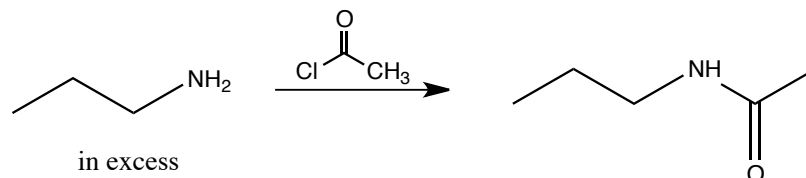


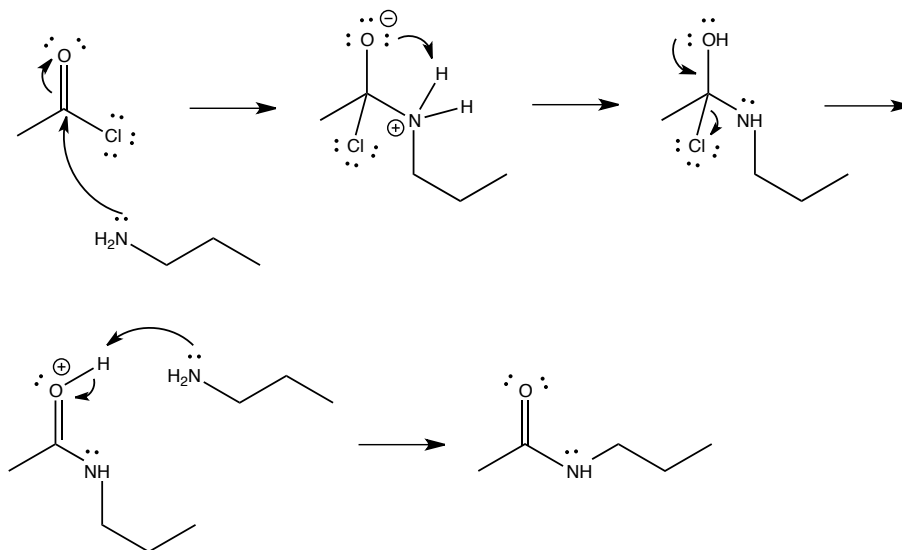
**Chem 345 – Organic Reactions Chapter 23**  
Prepared by José Laboy, MS  
[http: www.chem.wisc.edu/areas/clc](http://www.chem.wisc.edu/areas/clc) (Resource page)

Reactions of Amines: Acylation

Reaction:



Mechanism:



This reaction is very useful in protecting the amine group in a synthesis. This is particularly true when performing an EAS on an aniline derivative. Protecting the amine group before an EAS reaction will result in less side products.

The reaction can be also carried out with 1 equivalent of the amine and then use a neutralization step; i.e., sodium hydroxide.