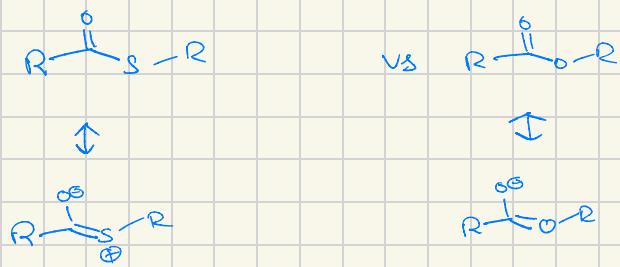


A1



1) Güte der Leaving Group



1) Neg. Ladung mehr delokalisiert, da größer

~ sinkt  $\text{pK}_{\text{a}}$   $\text{ROH} \rightarrow \text{RSH}$

2) S dritte Periode  $\rightarrow$  viel größer

somit ist der Orbital Overlap zwischen  $\text{n}_s \rightarrow \pi_{\text{C=O}}^{\text{L}}$  schlechter als  $\text{n}_p \rightarrow \pi_{\text{C=O}}^{\text{L}}$

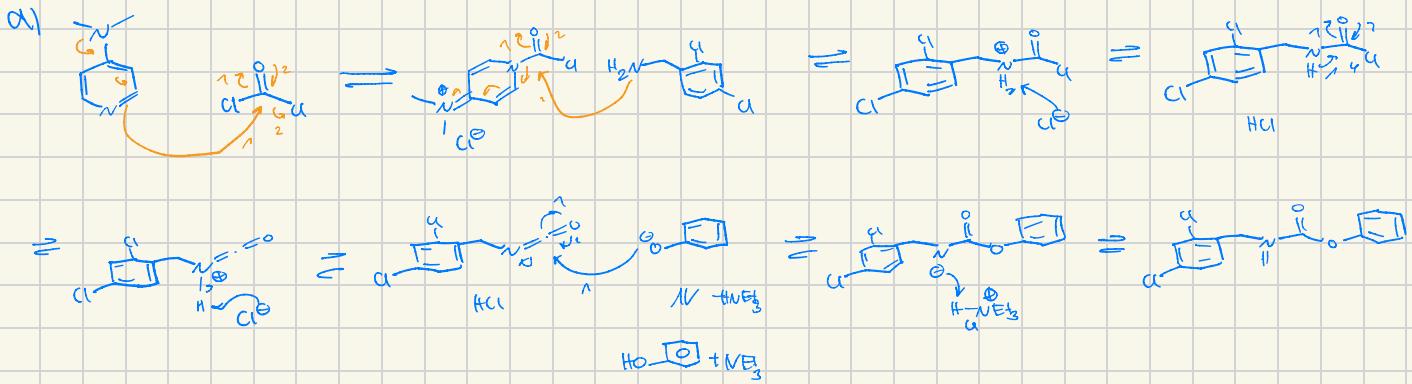
Diese Interaktion stabilisiert das Carbonyl  $\rightarrow$  Thiobuter reaktiver

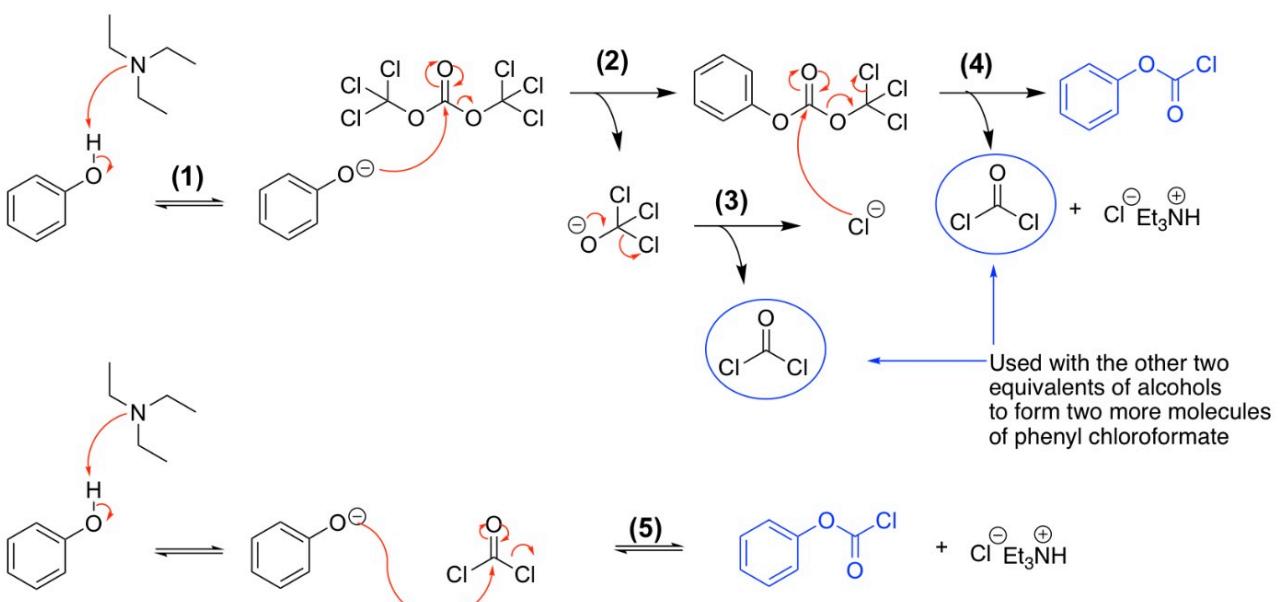
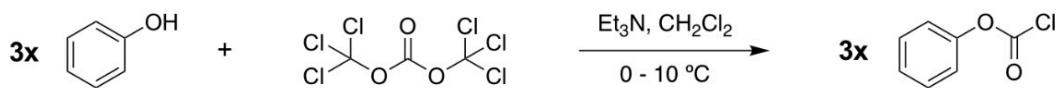
Recall:

nur filled-unfilled interactions sind stabilisierend

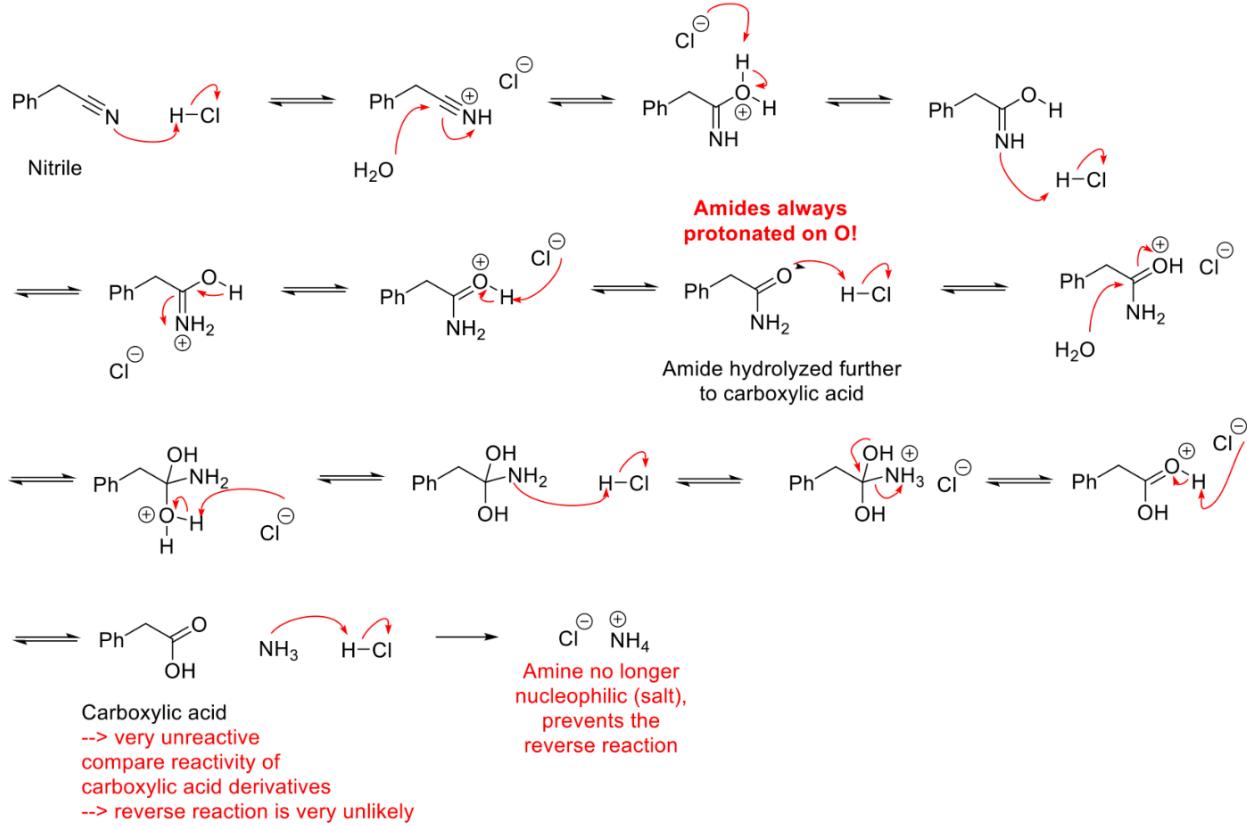
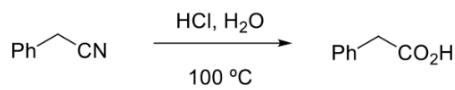


A2)



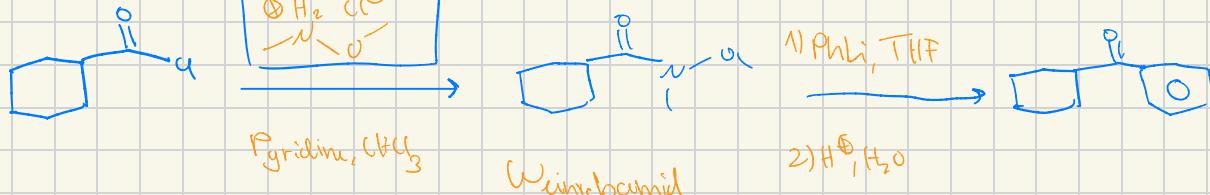


3)



4)

a)

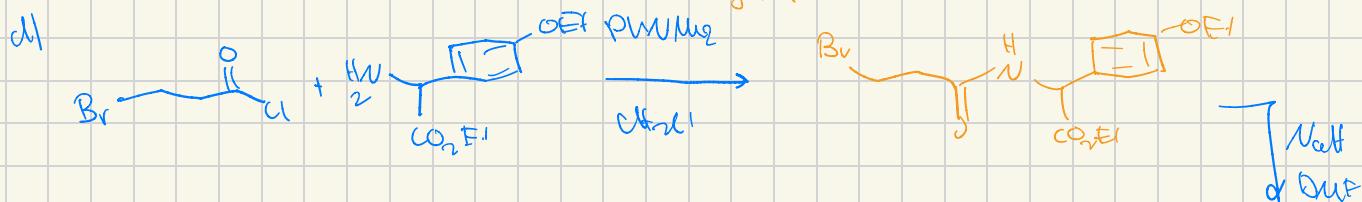


b)



6) Super Wichtig für AA Synthese 0

c) II - II quasi wie oben

Intercepted  $\text{HCl}$   
↓ sonst max 50%  
yield

5)

