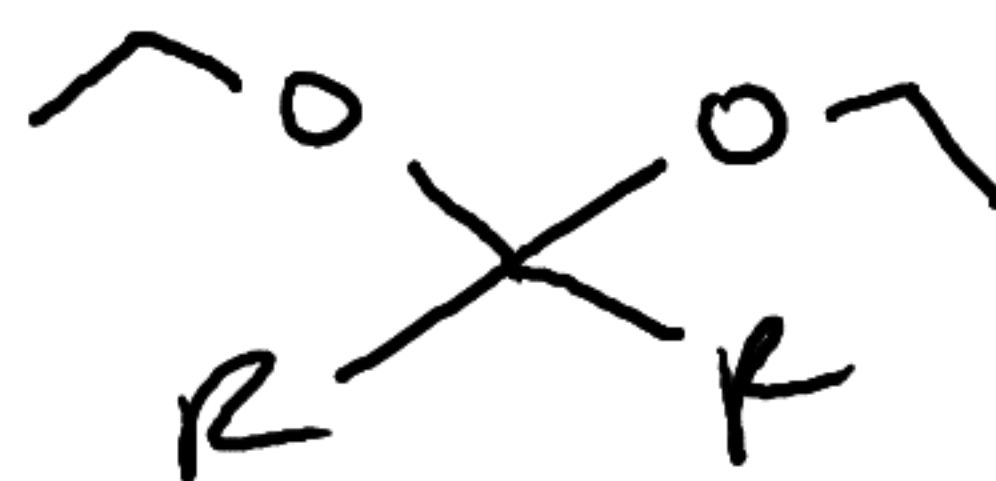
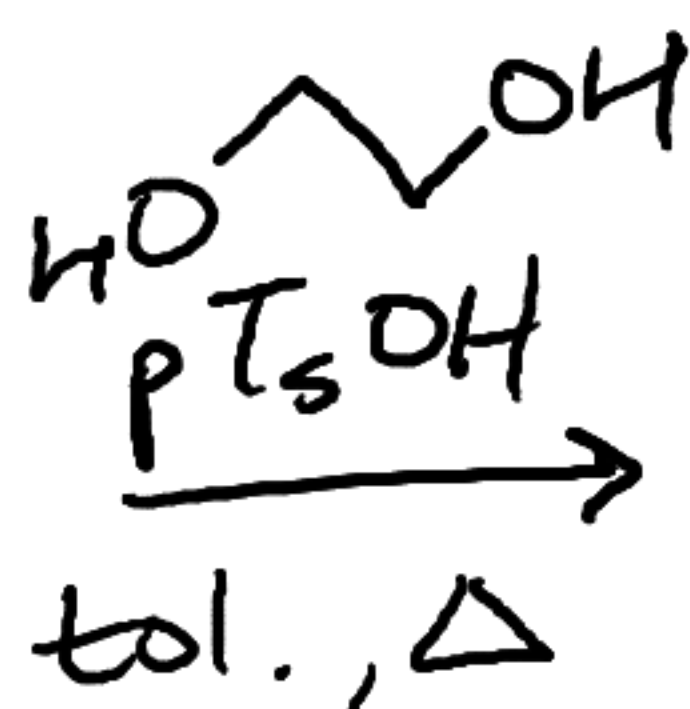
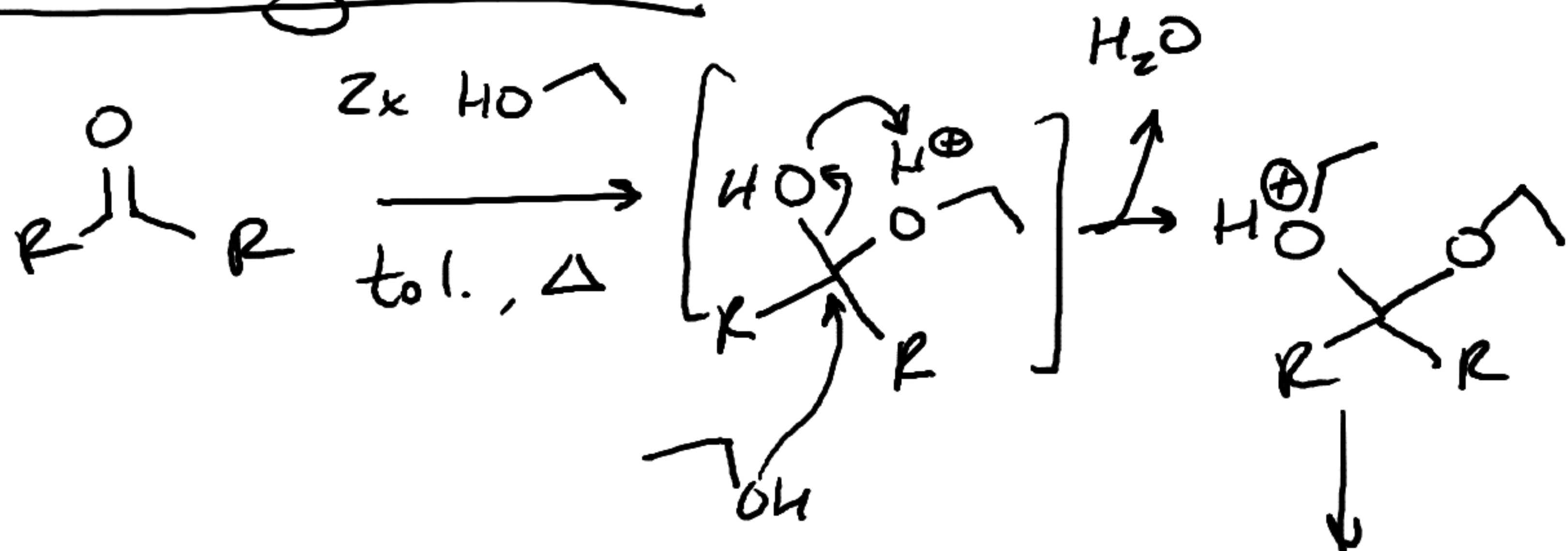
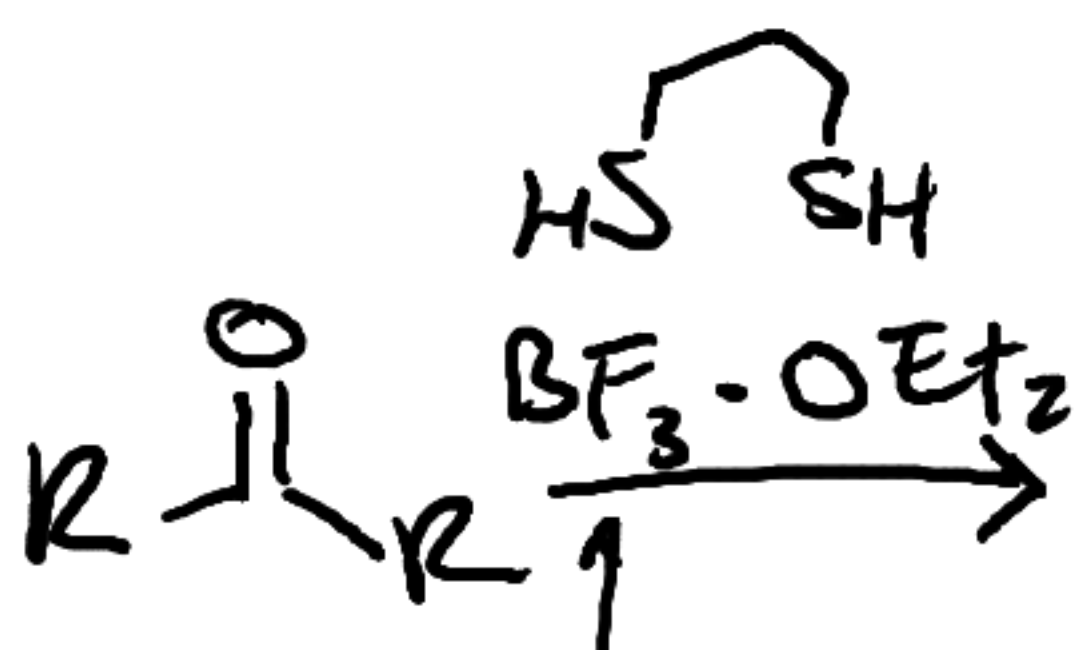
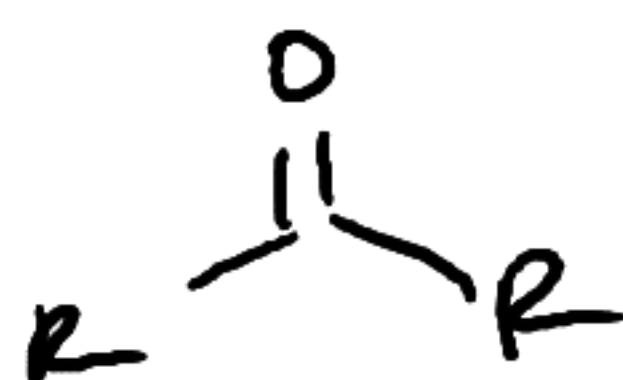


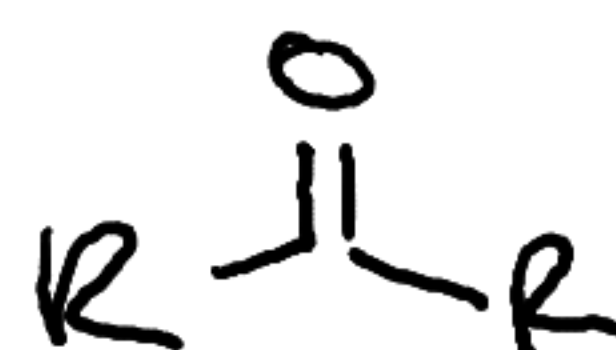
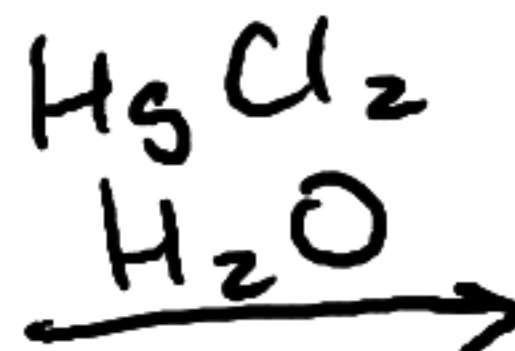
Carbonyl PGs



removed by
 H_2O
 H^+ (acid)



lewis acid
 that's not H^+



CONSIDER RECOVERY CONDITIONS!!

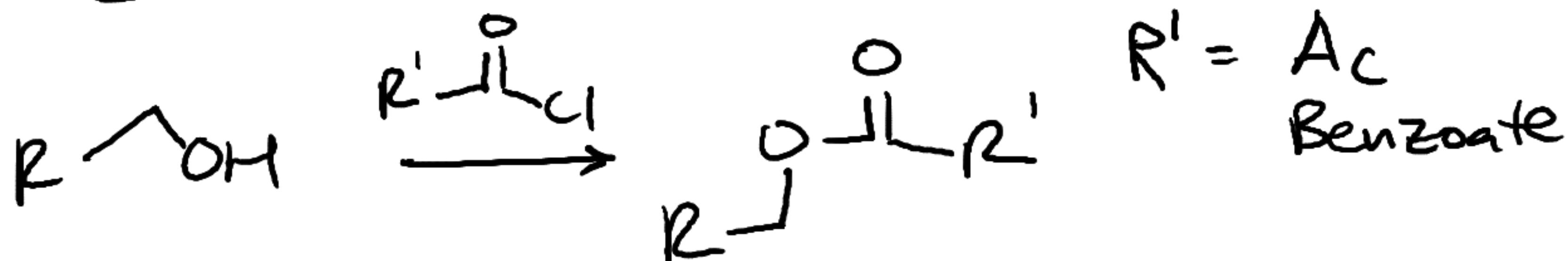
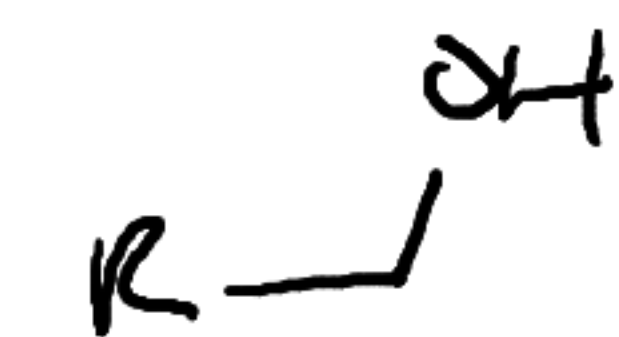
Selectivity of PG:

	Stable	Unstable
acetal	basic conditions reductions	acidic " "
	basic oxidations	acidic " "
dithiane	everything except	metal-catalyzed hydrogenation

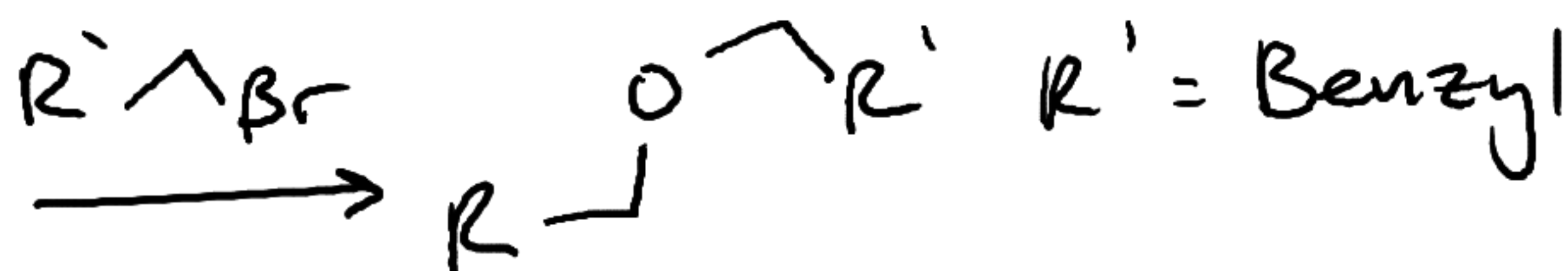
Alcohol PG

Basic Principle:

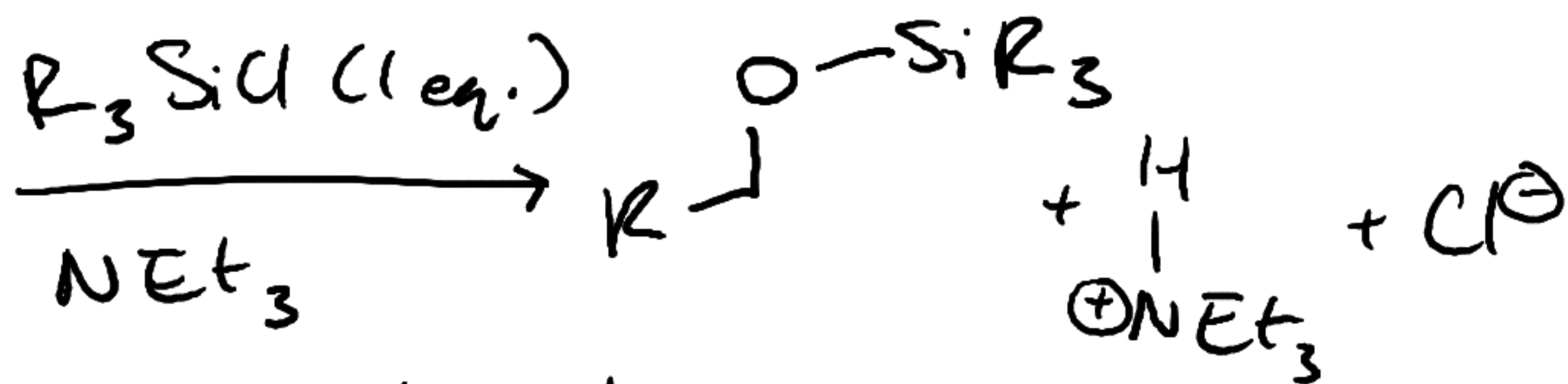
discourage H from deprotonation
to prevent nucleophilic attack



deprotect w/ reduction, hydrolysis



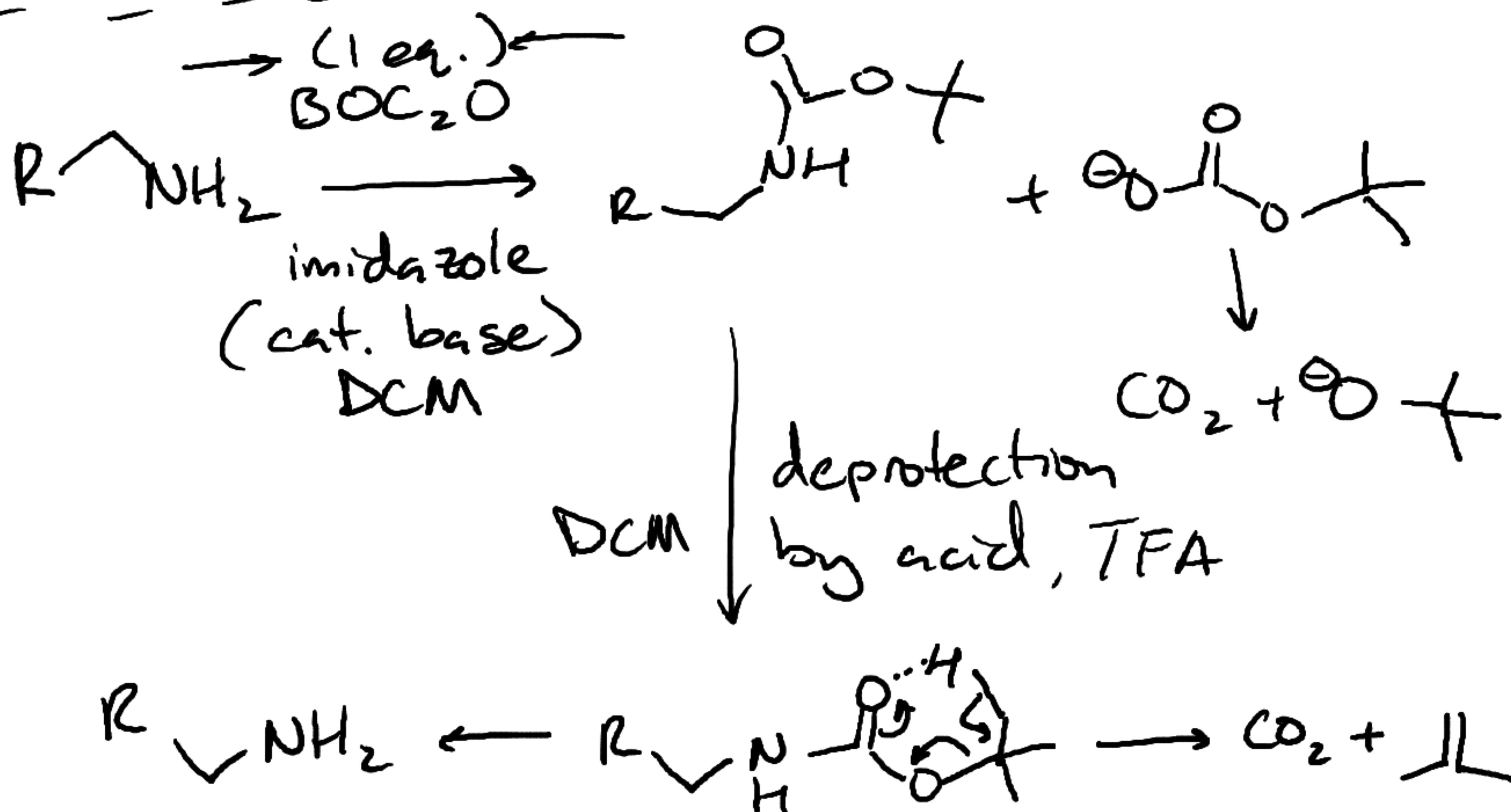
deprotect w/ H_2 , Pd/C



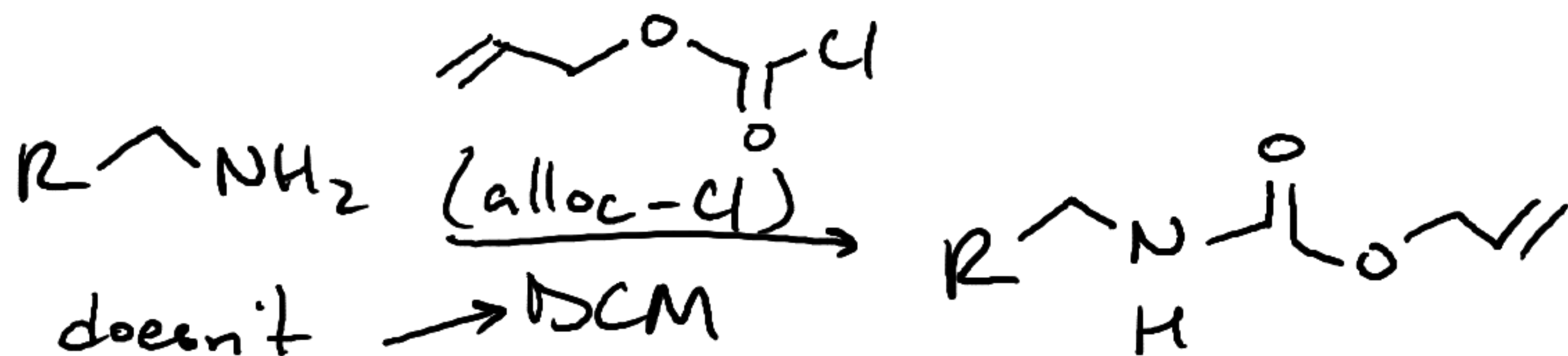
deprotect w/ TBAF in THF
& acid work-up

Amine Protecting Groups

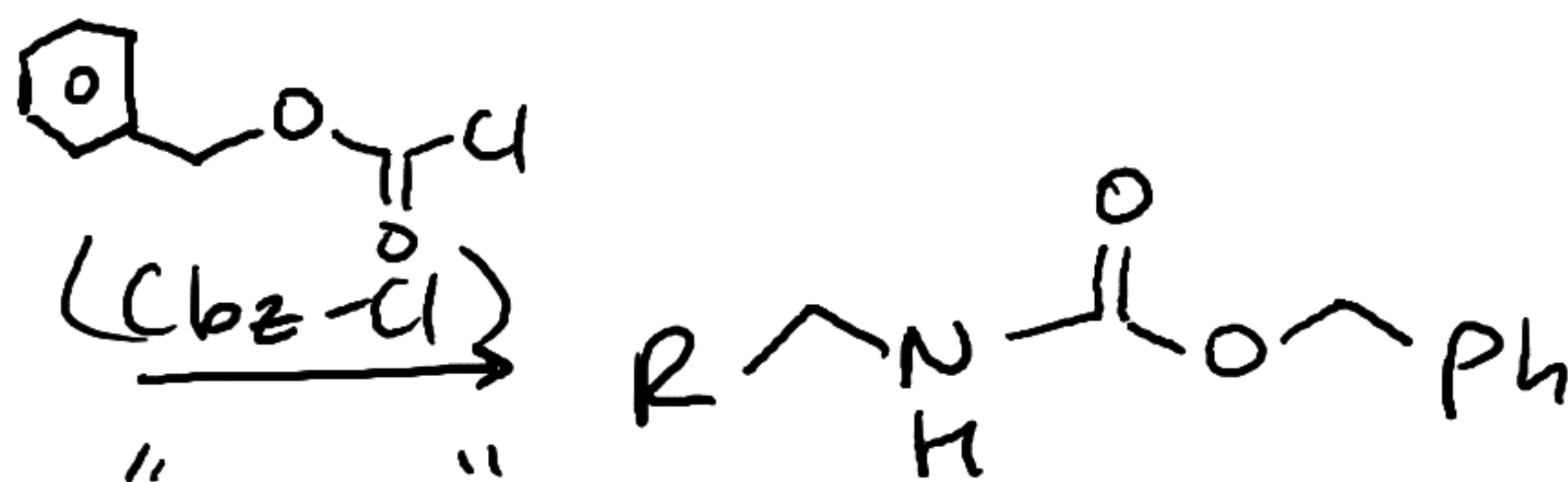
$R-H_2N$ Basic Principle:
want to change N behavior away
from a nucleophile



more on
next pg
 \longrightarrow



$\nearrow NEt_3$
 Sacrificial base,
 good base, weak
 nu^-



deprotect both w/ $H_2, Pd/C, DCM$

