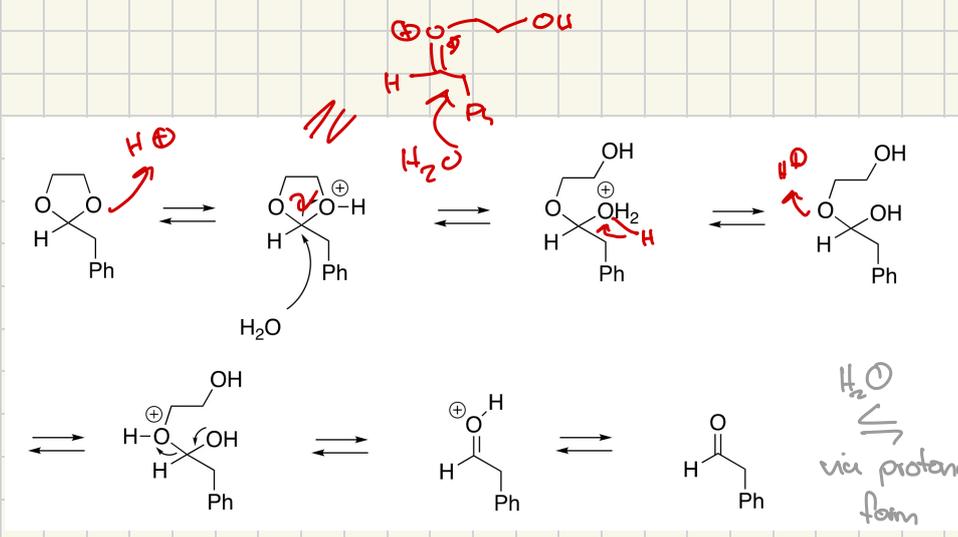
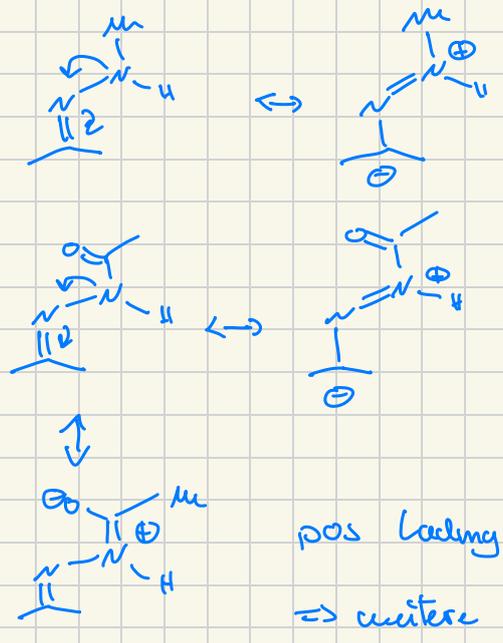


1)



mit Workup & aufreinigung bekommt man den Aldehyd

2)



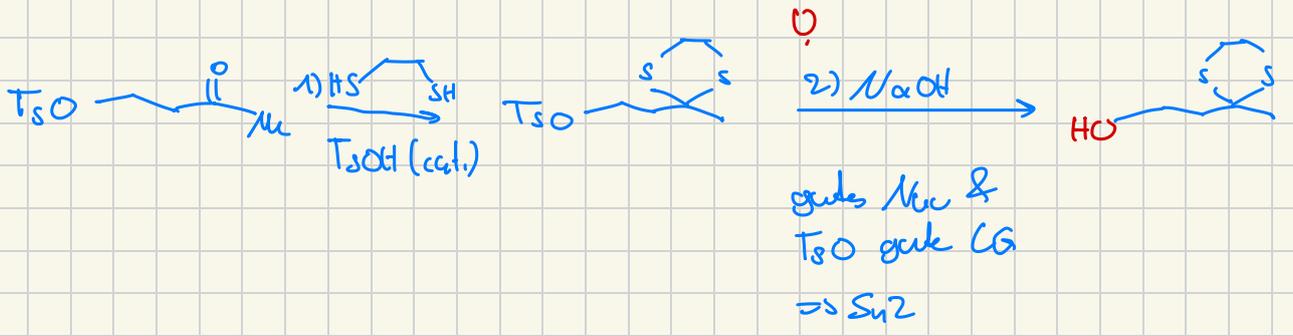
Me stabilisiert Hydrone

Ac destabilisiert

pos Ladung ist e⁻ziehend
=> weitere destabilisierung

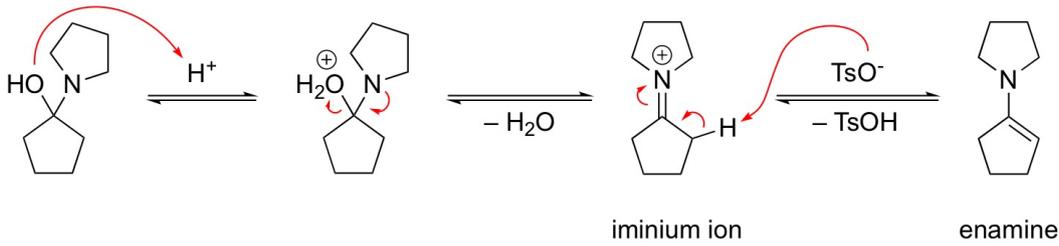
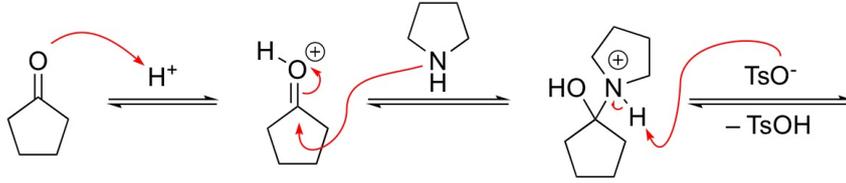
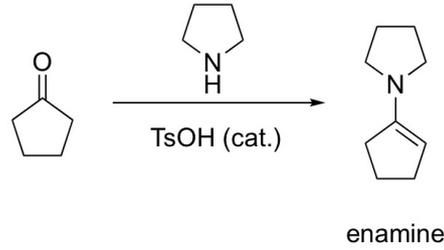
3) Thio sind mit Aldehyden verwandt => Thioacetalbildung

a)



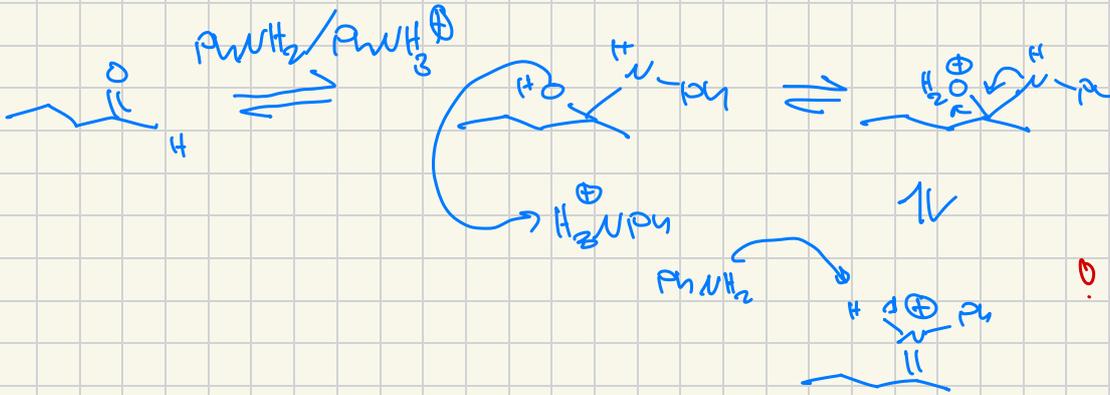
gutes Me & TsO gute LG
=> S_N2

b



c) optional

4)



! Bis hier analog zu hemiacetal. **Aber** N hat proton, was deprotoniert werden kann

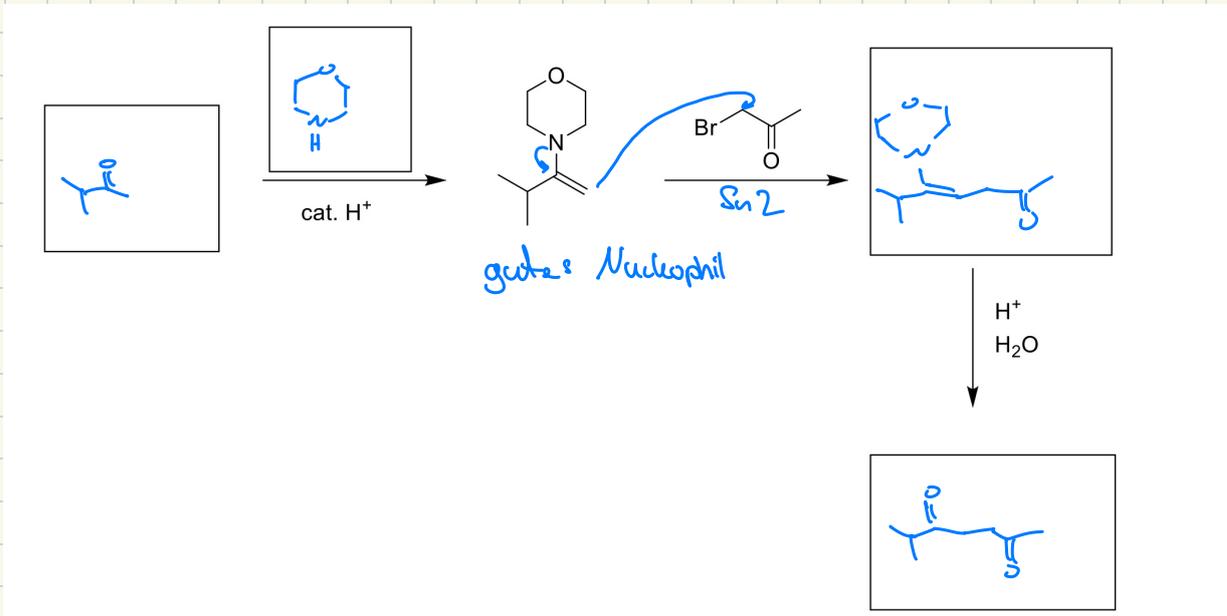
Warum nicht am C α deprotonieren?

$pK_a (R_2NH) \approx 15$

$pK_a (C^\alpha-H) > 19$ (Aceton)

5) optional

6)



Enamin Hydrolyse:

