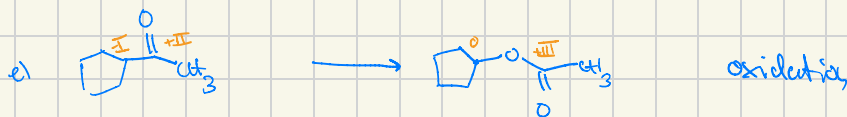
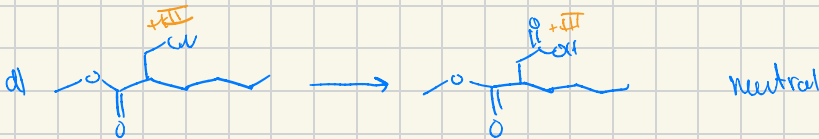
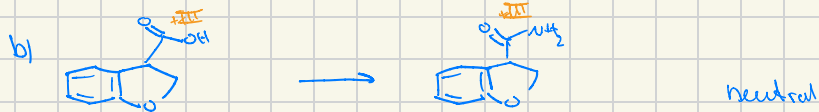
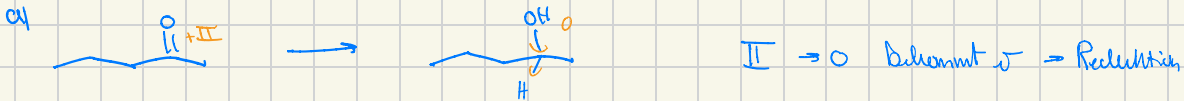
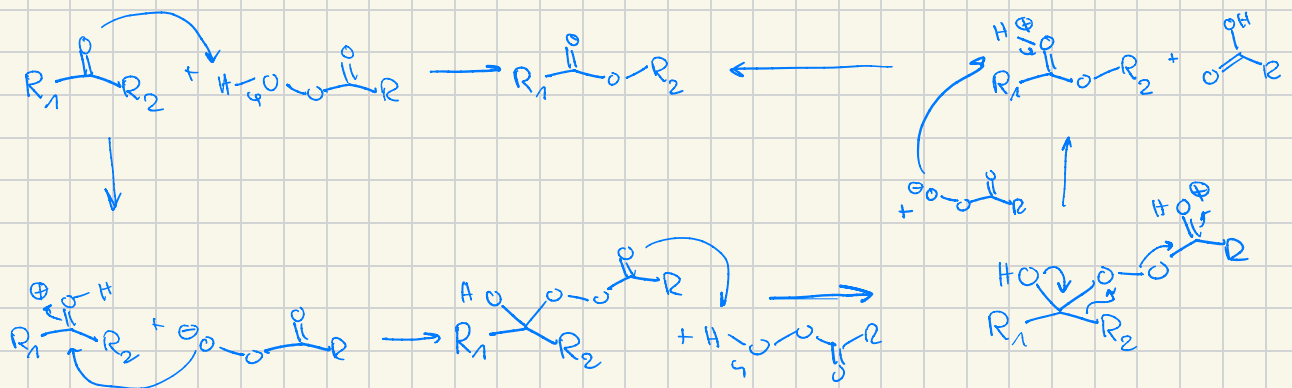


1)

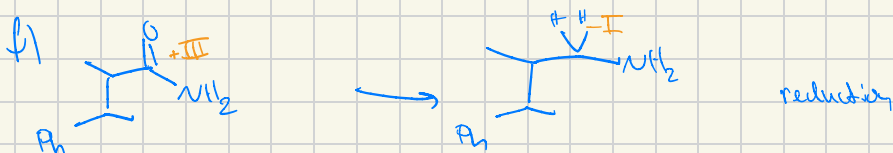
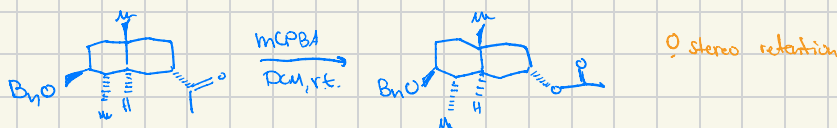


Wie läuft diese rxn?

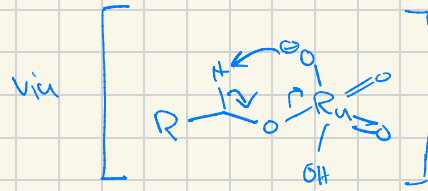
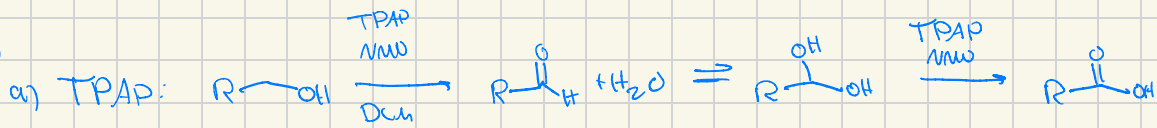
→ Baeyer-Villiger oxidation



Beispiel aus Literatur: <https://doi.org/10.1021/jo501122k>



2)

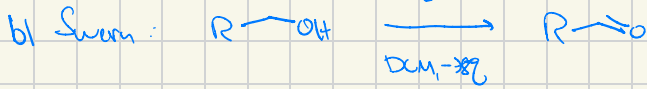


48 MS am Wasser zu entfernen

$(COH)_2$

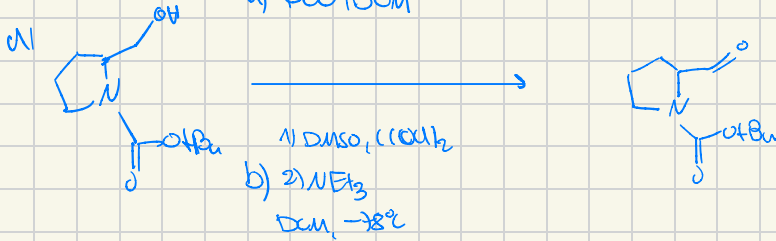
DMSO

NEt_3



kein Wasser $\rightarrow$ kein Problem

3)



c) TPAP, NMO
48 MS, DCM

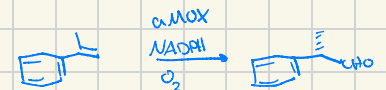
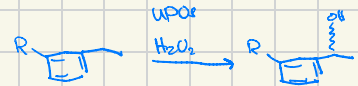
d) DMP, MeCN

e) IBX, DMSO

f) TEMPO (2 mol%),
NaOx, DCM

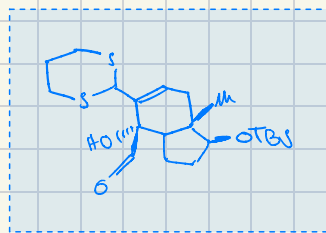
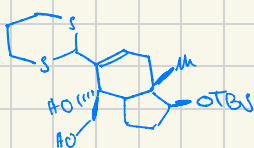
g) Biocatalysis via
Enzymes (very common
in industry)

Wobei für genau die dann
gewünschte Transformation Bsp. cat
keine gute Anwendung ist:

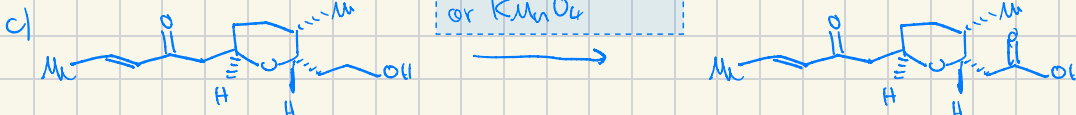


UPOX $\hat{=}$ unspecific peroxidase
cMOX $\hat{=}$ anti-Markovnikov oxidase

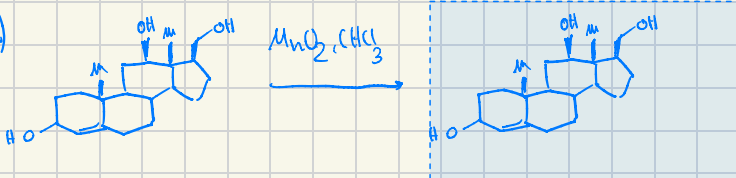
b)



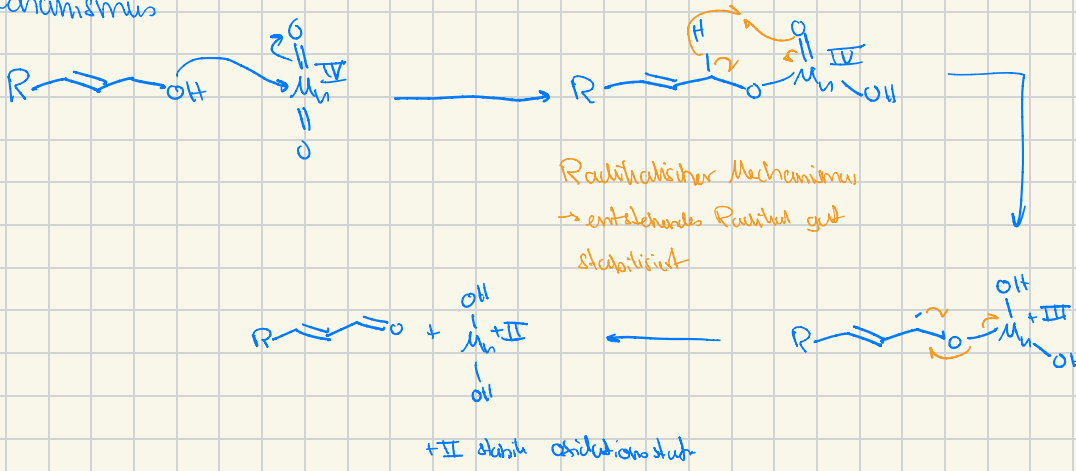
! Selectiv für 1° Alkohole
aufgrund Sterik



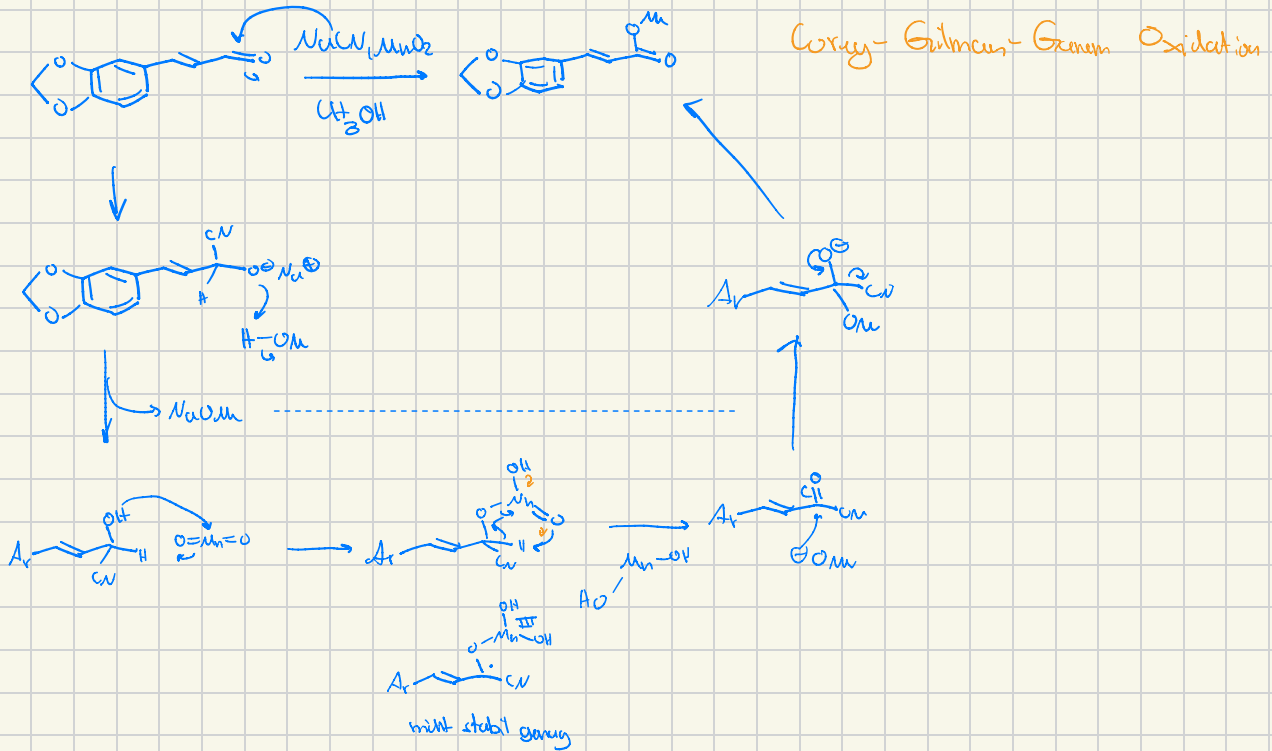
d)



Mechanismus

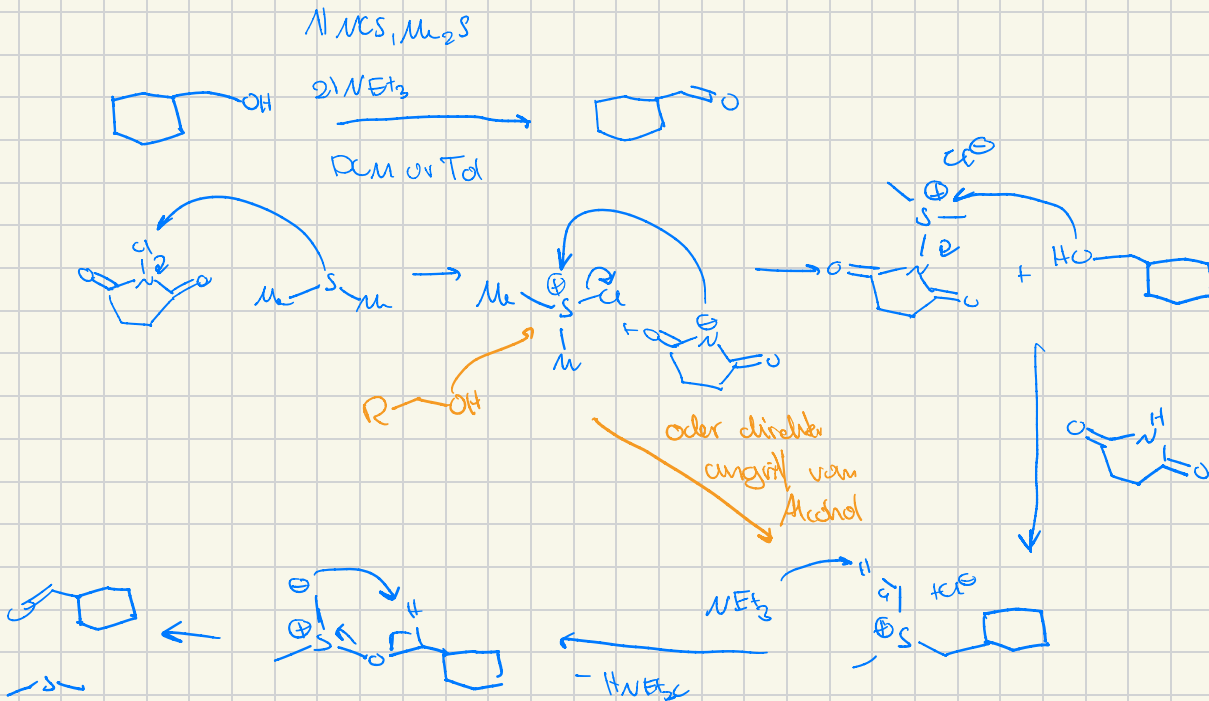


41



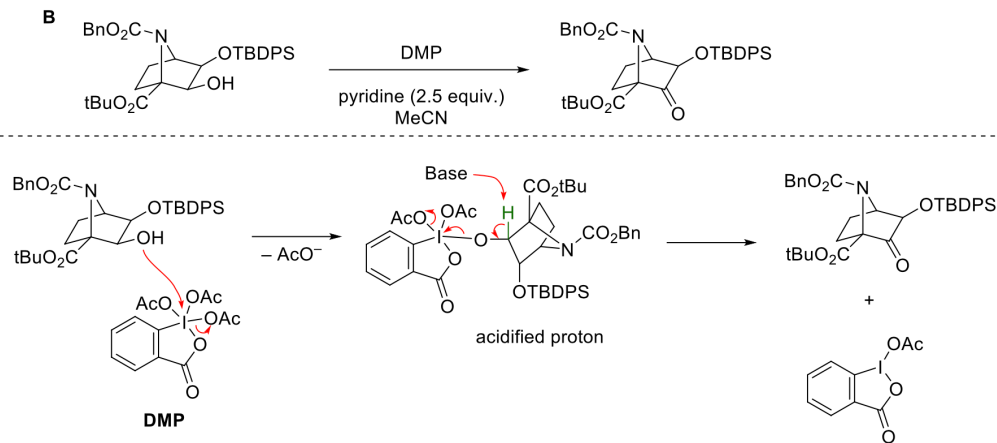
5)

a) Corey Kim

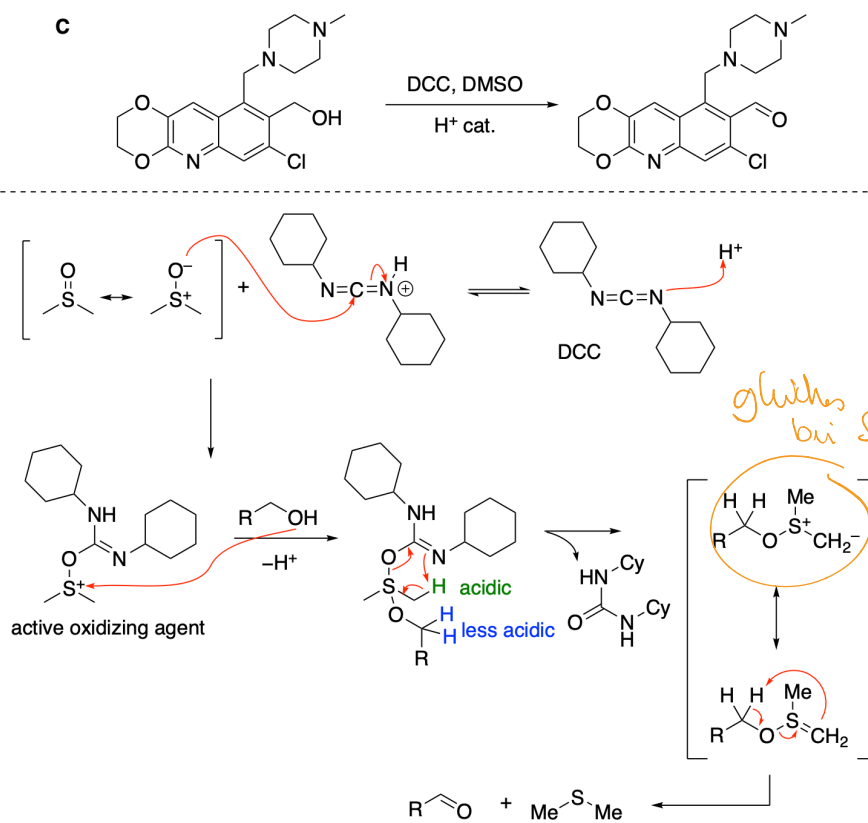


b) Nicht im Detail besprechen

B) Dess-Martin Oxidation



c)



a)

