



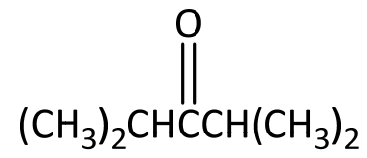
ulm university

universität
uulm

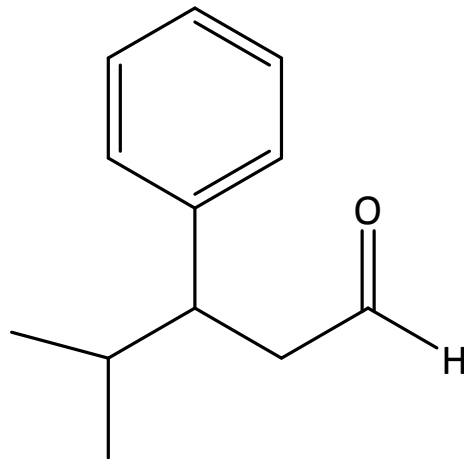


Seminar zur
OC1-Vorlesung
Übungsblatt 8

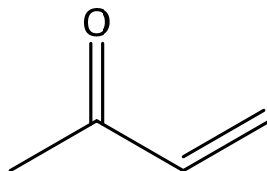
1.



2,4-Dimethyl-3-pentanon

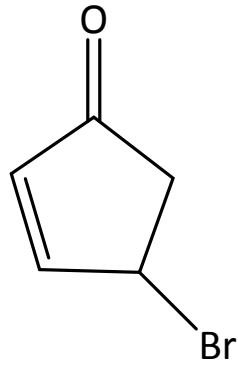


4-Methyl-3-phenylpentanal

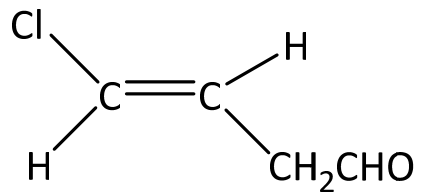


3-Buten-2-on

1.

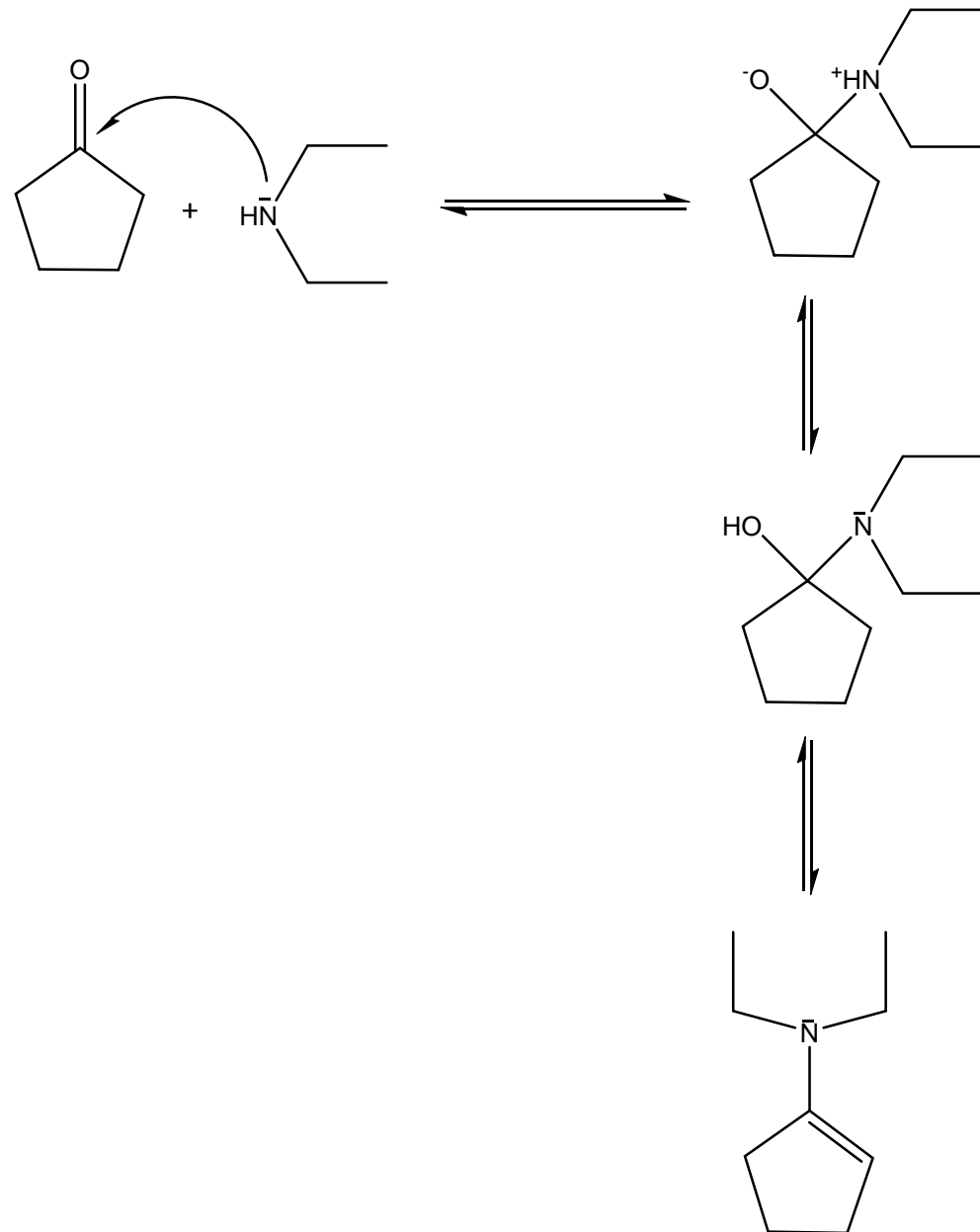


4-Brom-2-cyclopentenon

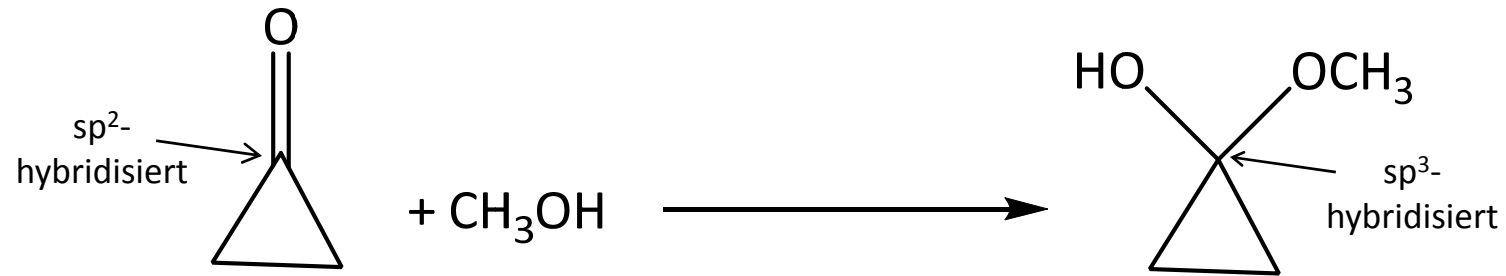


trans-4-Chlor-3-butenal

2.



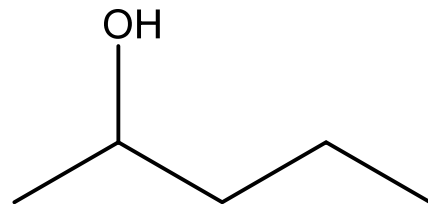
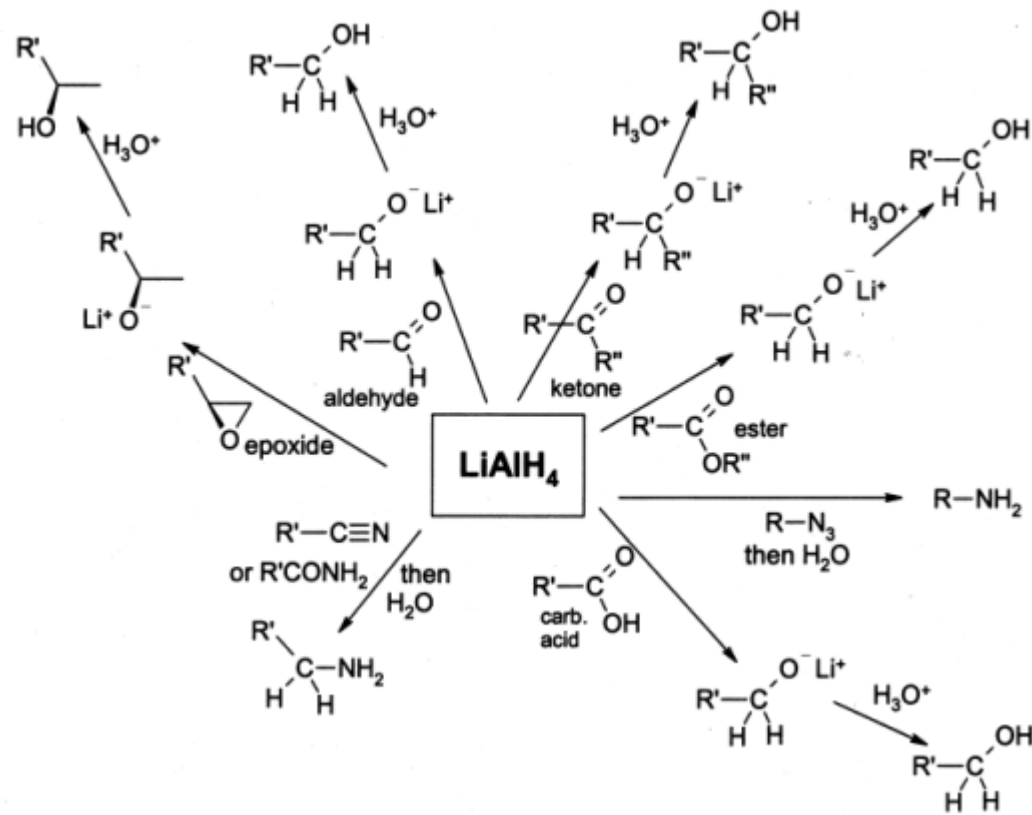
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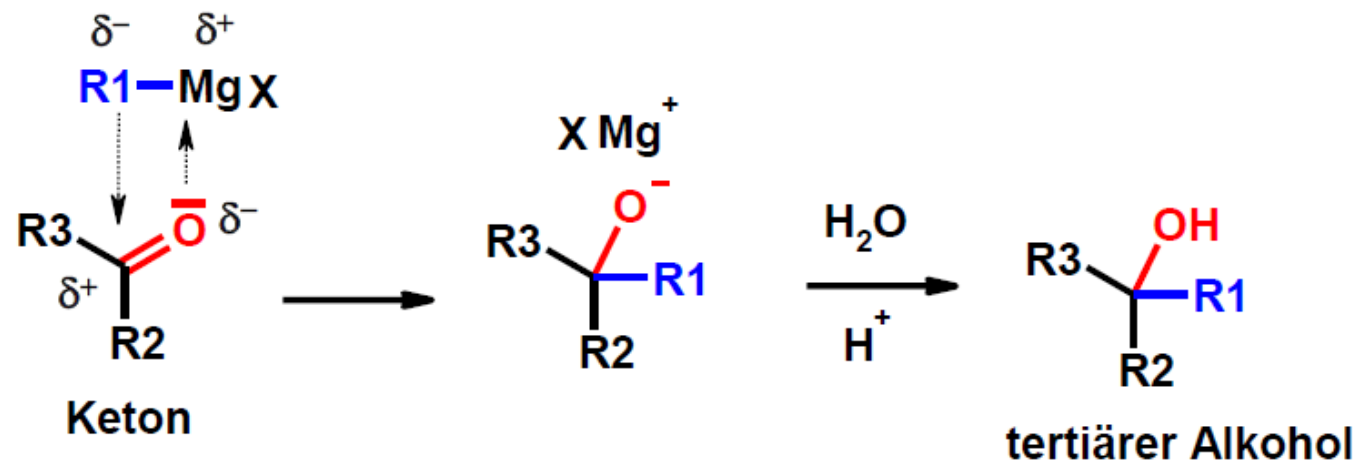
Bindungswinkelstauchung:
 $120^\circ - 60^\circ = 60^\circ$

Bindungswinkelstauchung:
 $109^\circ - 60^\circ = 49^\circ$

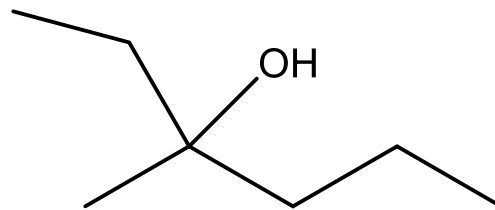
4.

 LiAlH_4 , $(\text{CH}_3\text{CH}_2)_2\text{O}$, danach H^+ , H_2O 

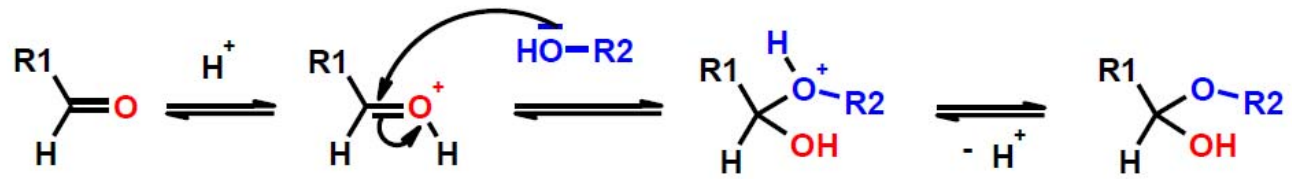
4.



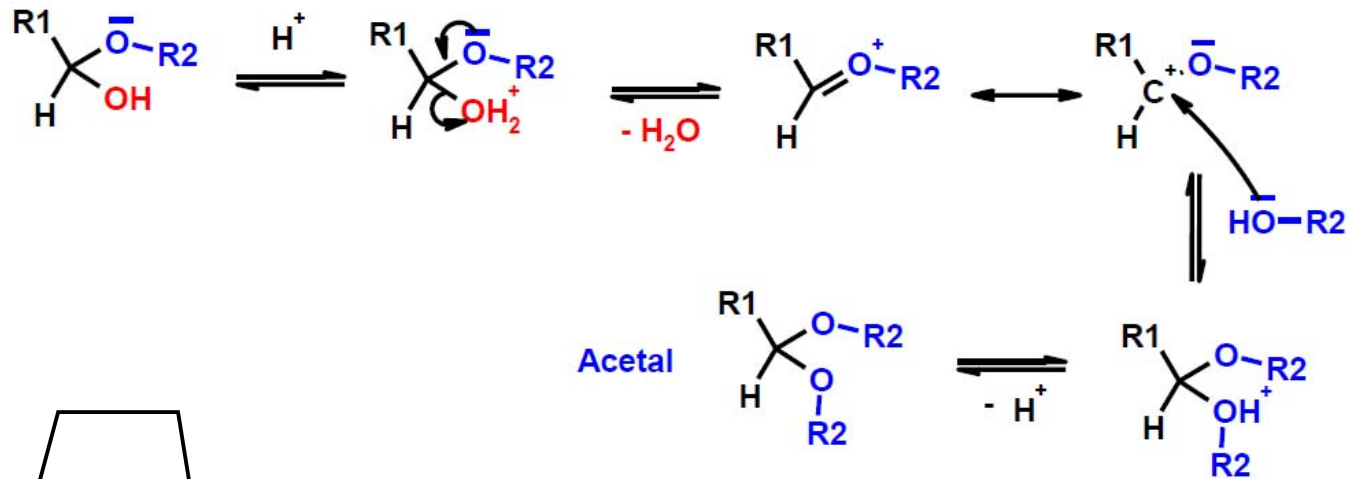
CH_3CH_2MgBr , $(CH_3CH_2)_2O$, danach H^+ , H_2O



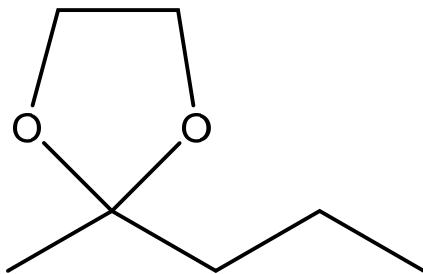
4.

HOCH₂CH₂OH, H⁺

Halb acetal
(Hemiacetal)

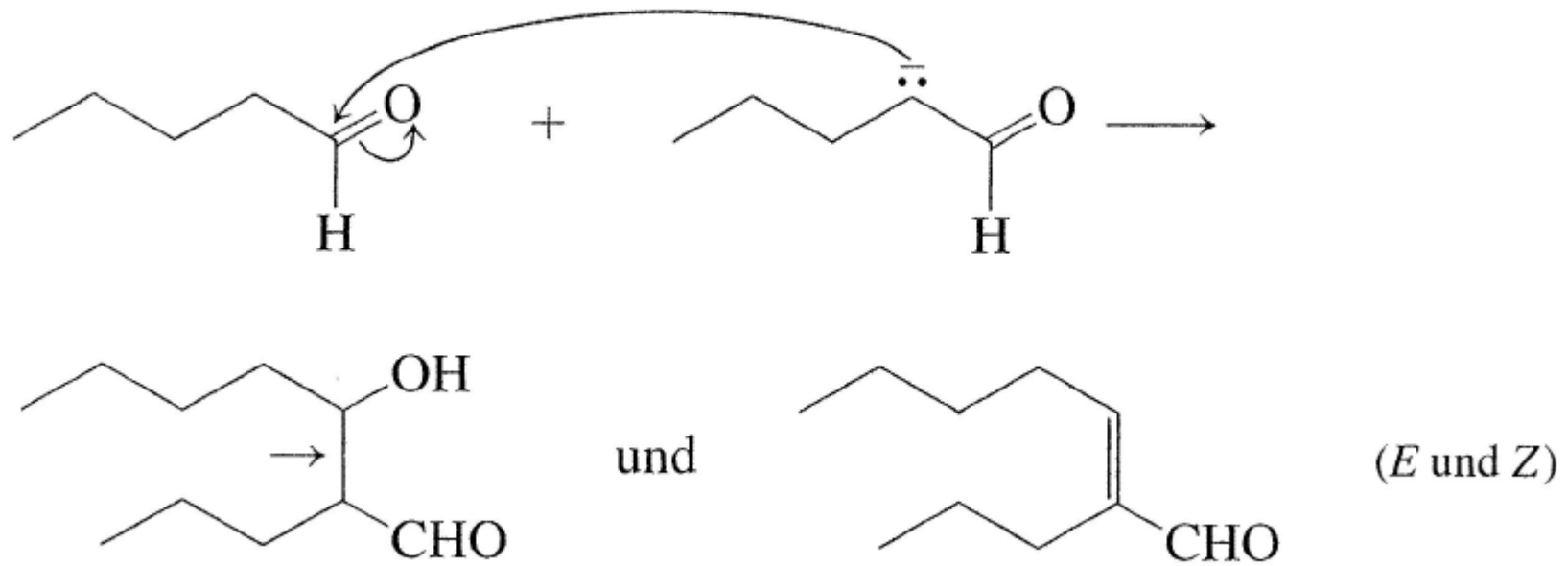


Acetal

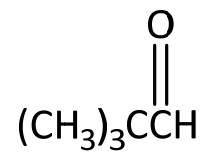
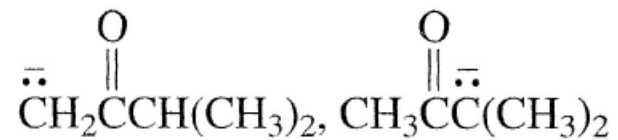
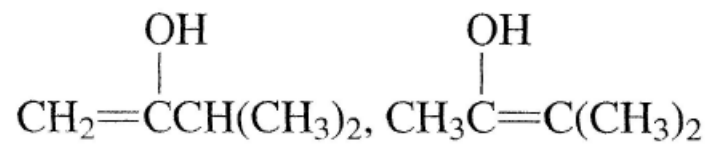
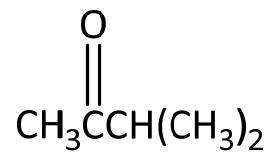
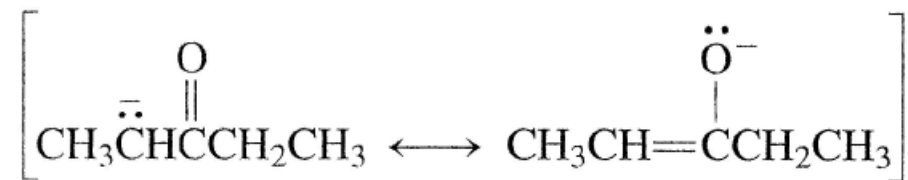
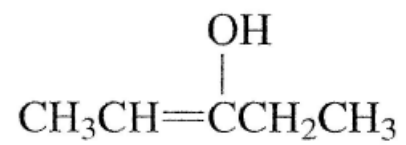
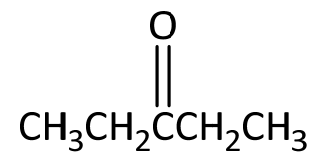


2-Methyl-2-propyl-1,3-dioxolan

5.



6.



6.

