

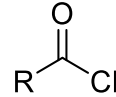
Organische Chemie I – Teil 17

Stefan Bräse

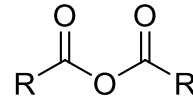
Institut für Organische Chemie & Institut für Biologische und Chemische Systeme

Übersicht

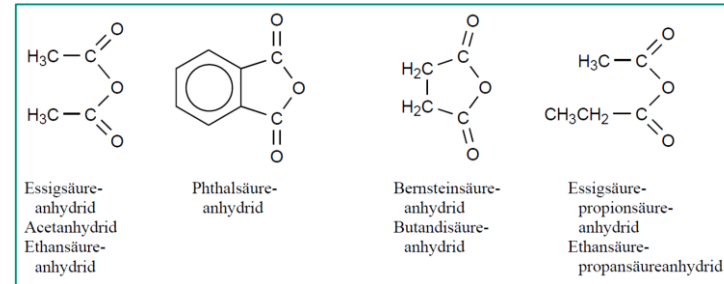
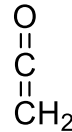
■ Carbonsäurechloride



■ Carbonsäureanhydride

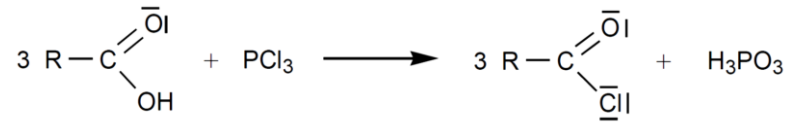


■ Ketene

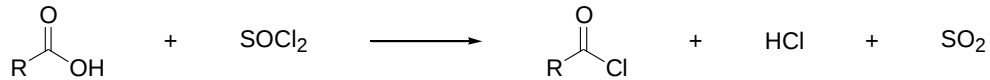


Darstellung der Carbonsäurechloride

A)

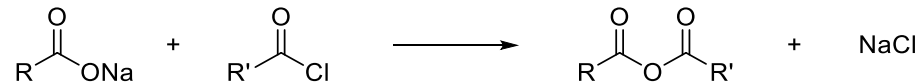
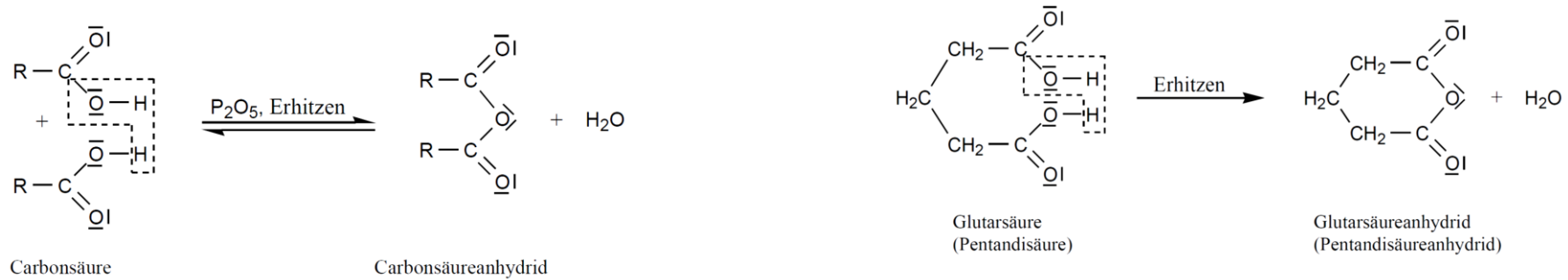


B)



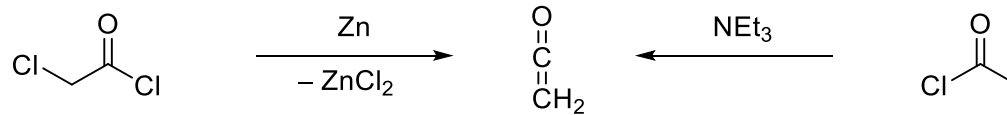
Darstellung der Carbonsäureanhydride

■ Carbonsäureanhydride

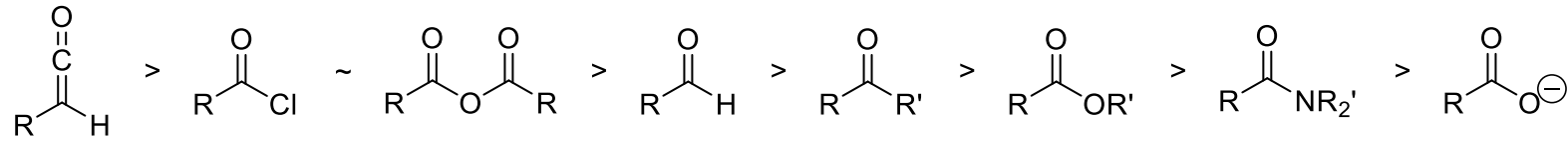


Darstellung der Ketene

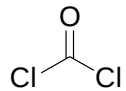
■ Ketene



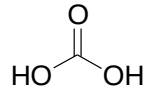
Reaktivitäten



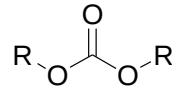
Übersicht



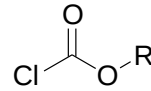
Phosgen



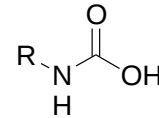
Kohlensäure



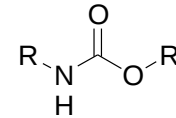
Kohlensäureester



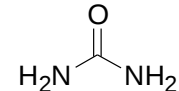
Chlorkohlensäureester



Carbaminsäure



Carbamat



Harnstoff



Kohlendioxid



Carbonylsulfid



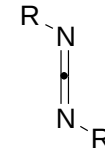
Schwefelkohlenstoff



Isocyanat

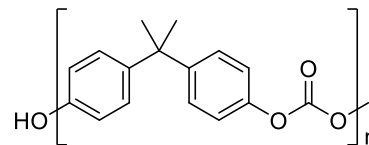


Isothiocyanat

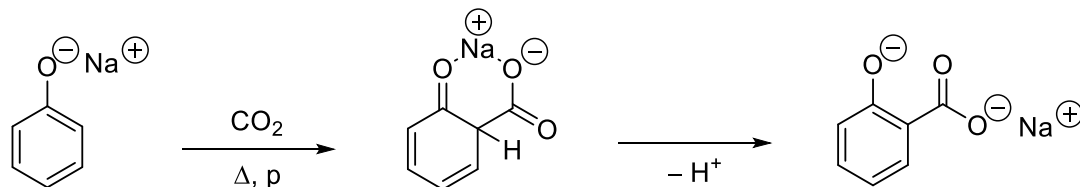
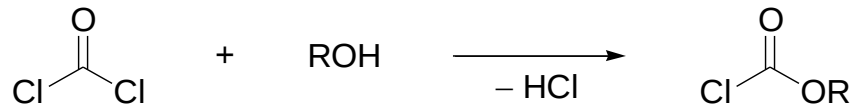


Carbodiimid

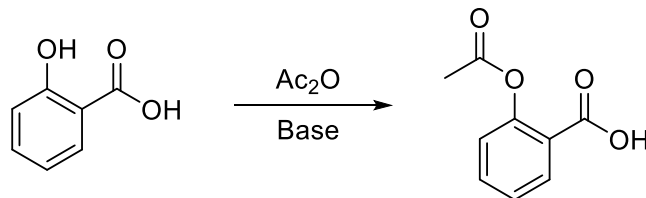
Makrolon



Synthese und Reaktionen

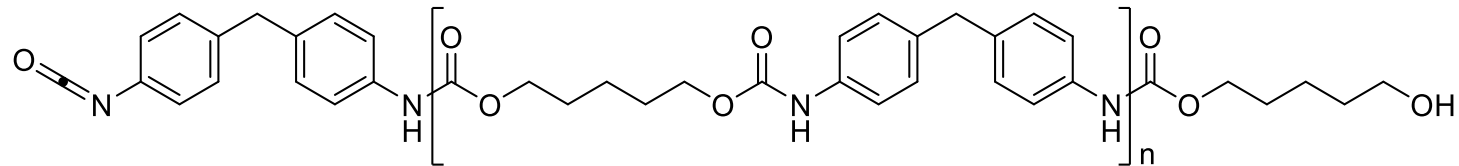
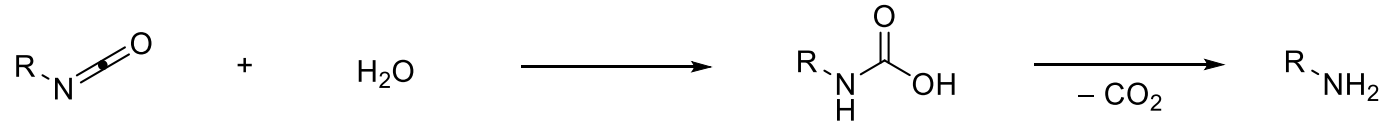
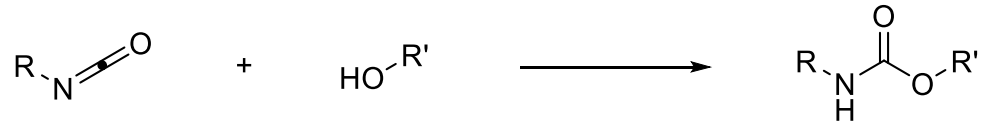


Kolbe Synthese



Acetylsalicylsäure (Aspirin, ASS)

Reaktionen



Fragen?