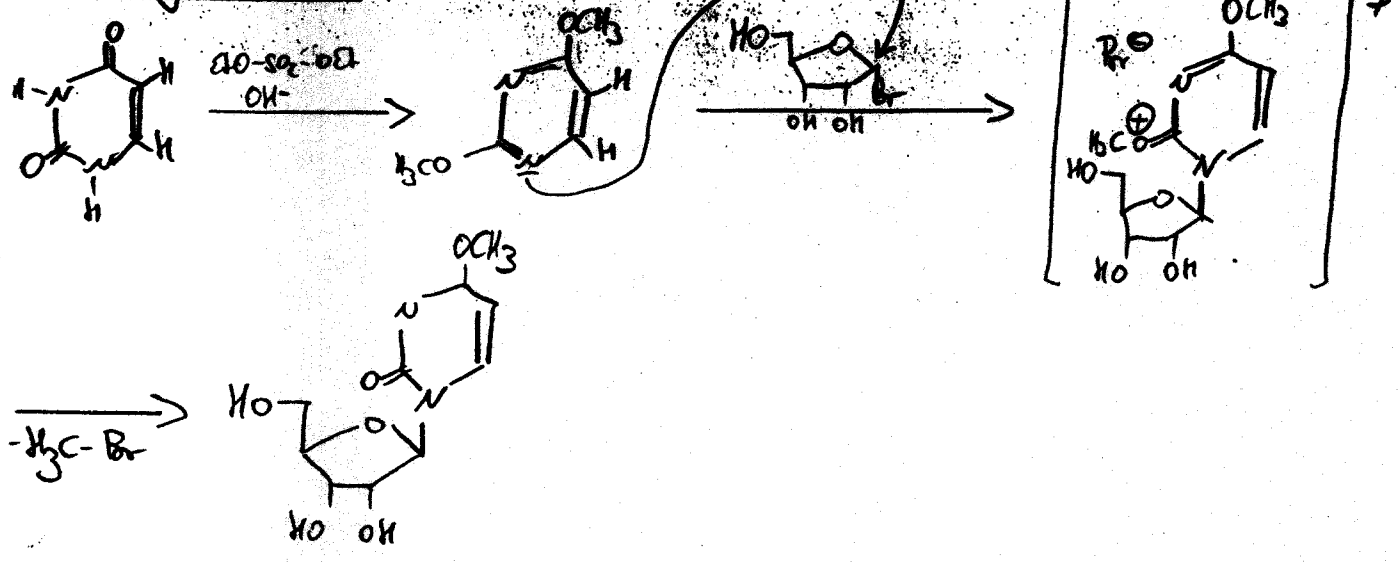
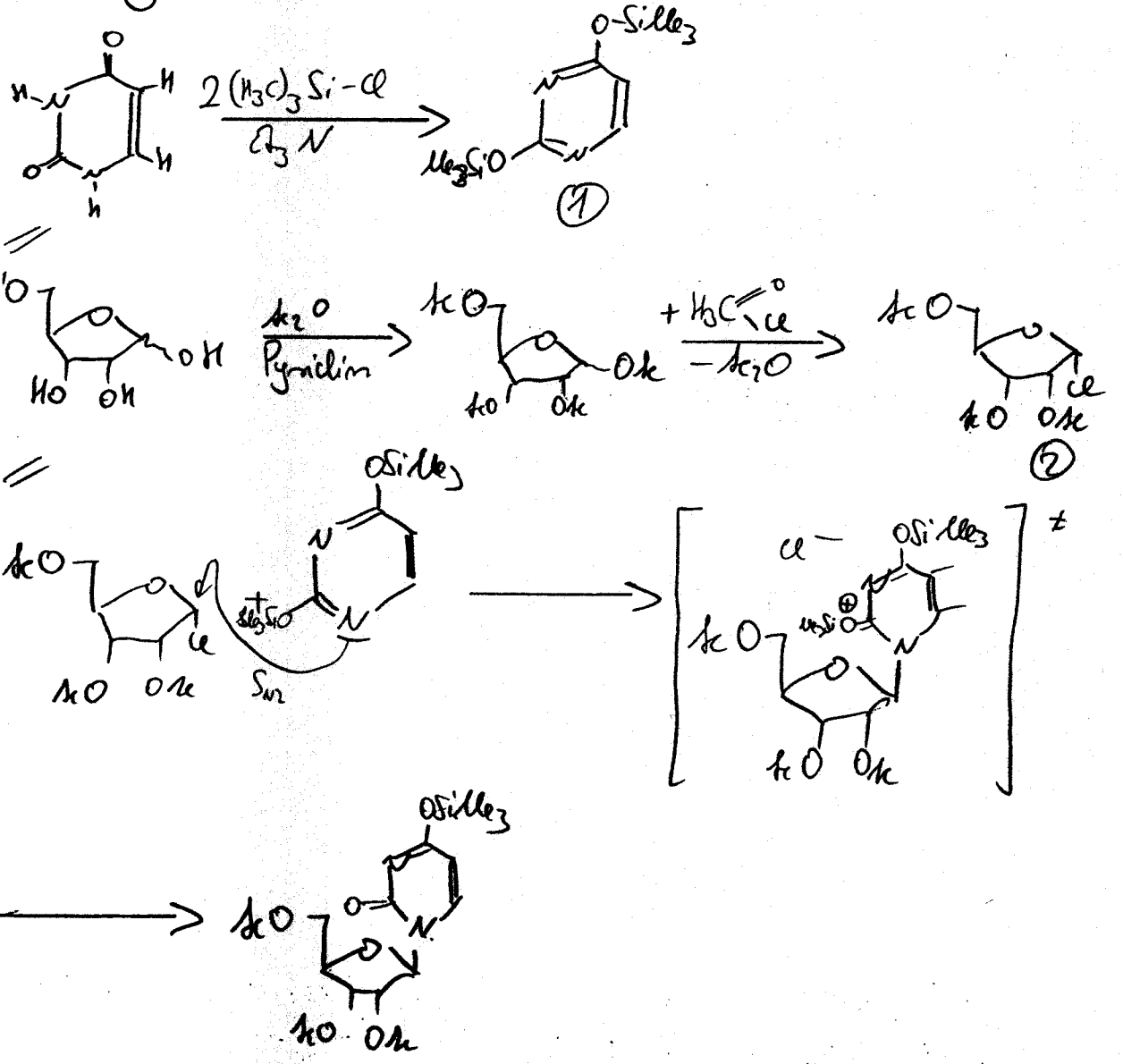
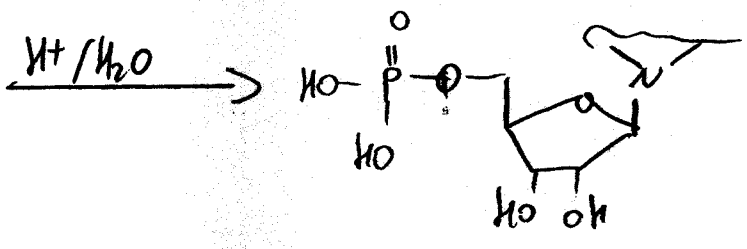
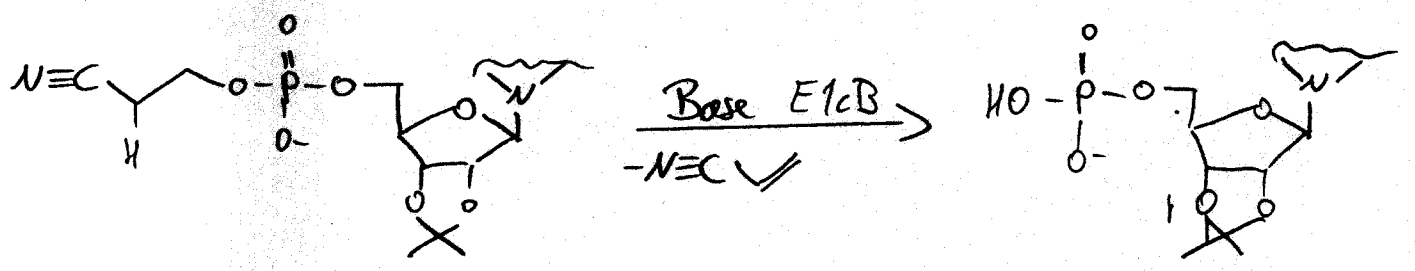
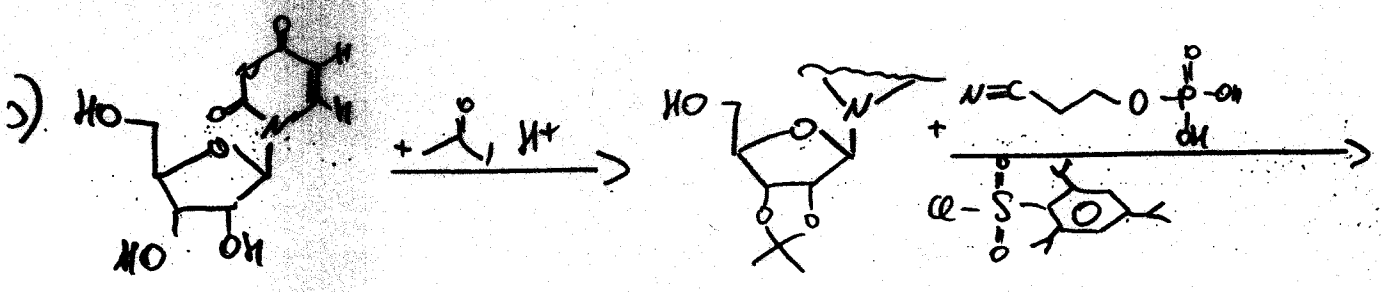


Filber-Johnson:

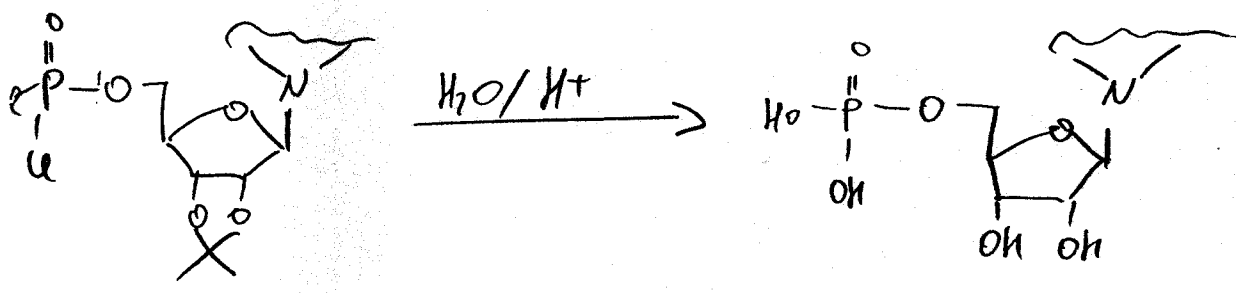
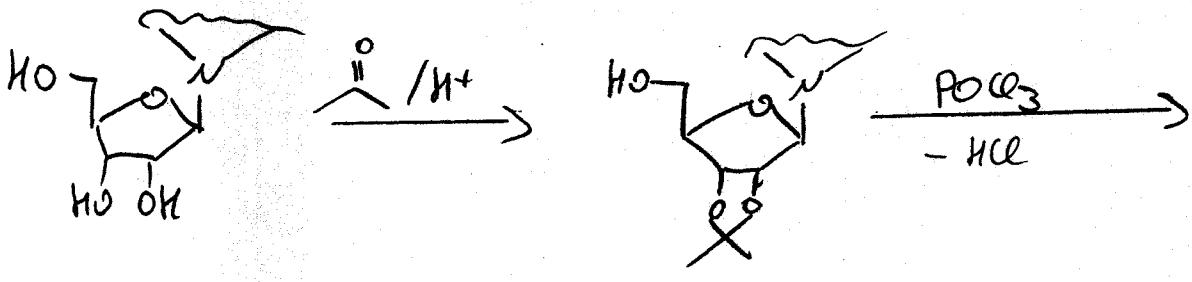


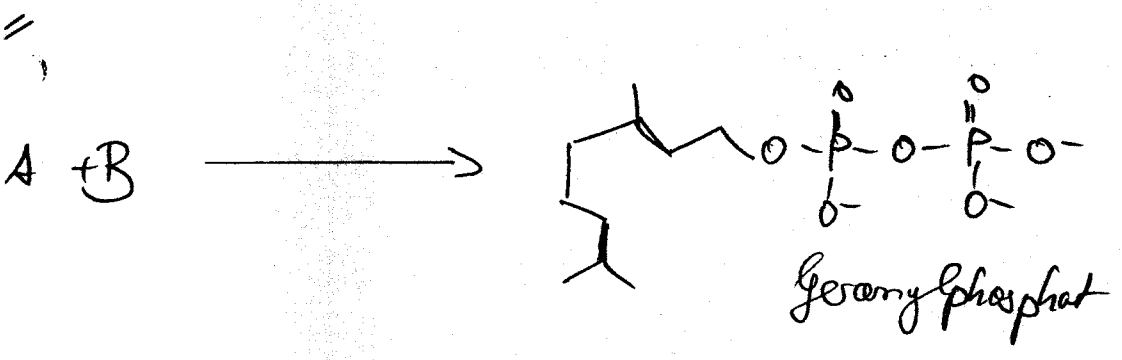
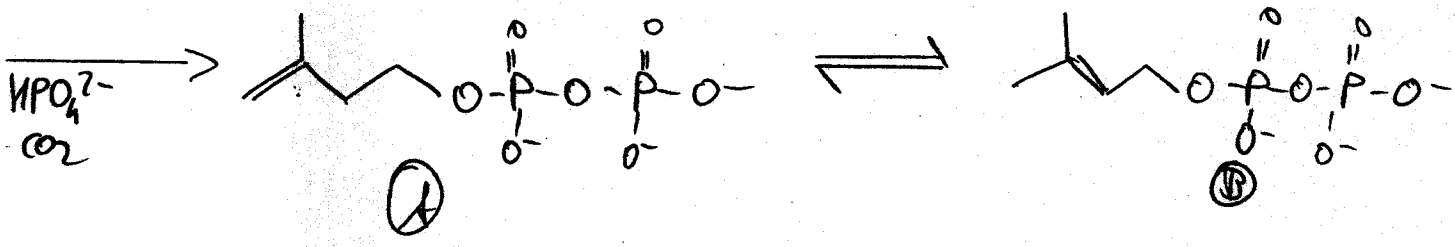
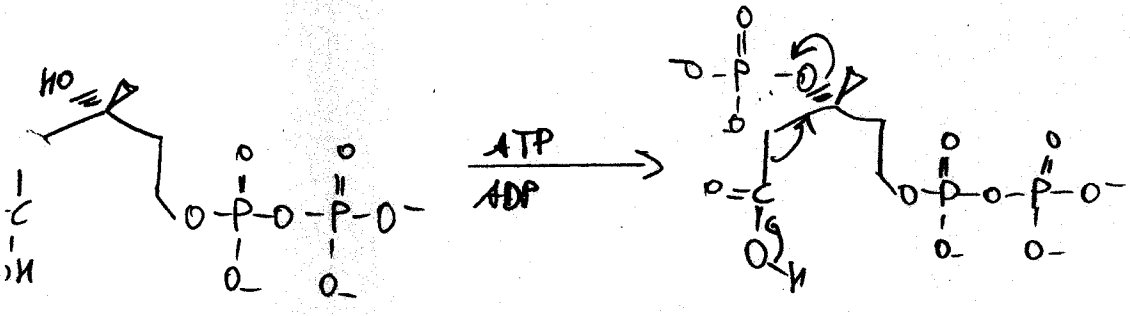
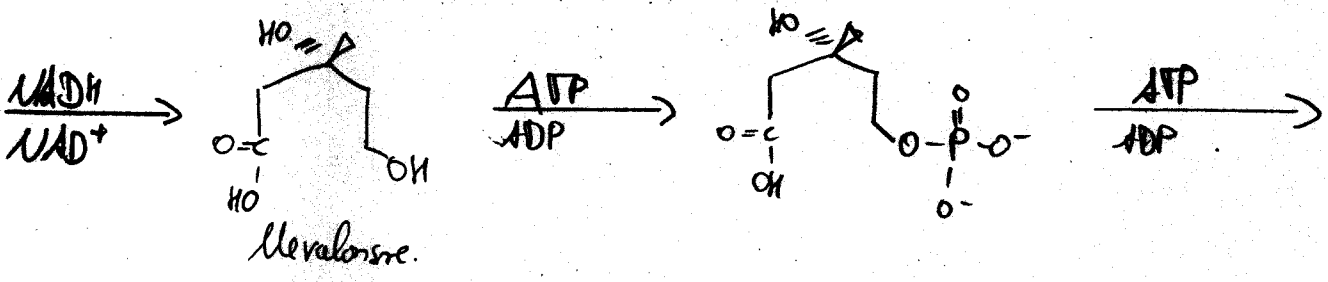
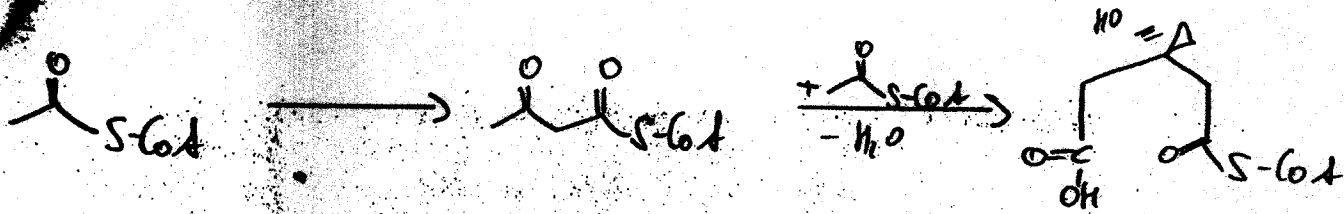
Vorbereitung:



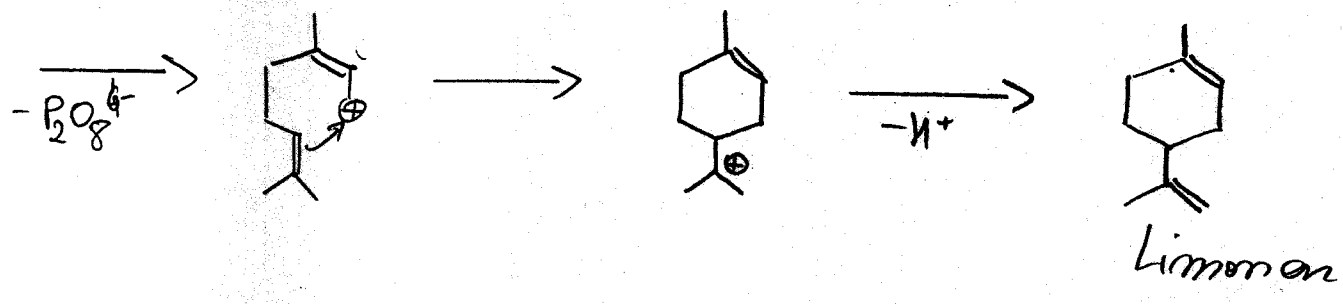
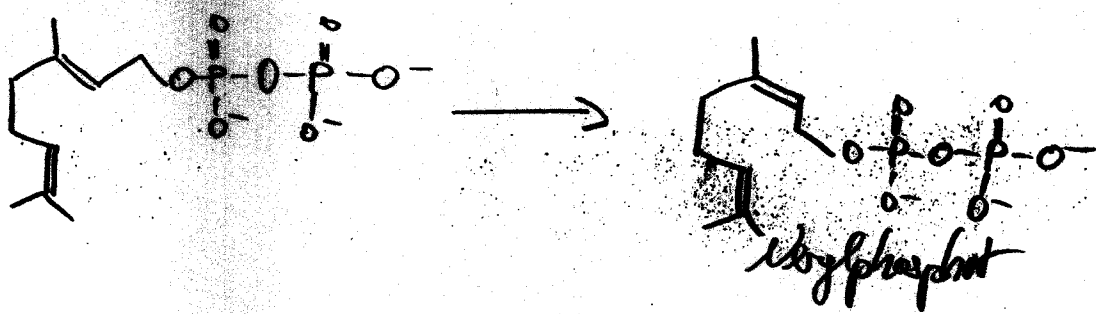


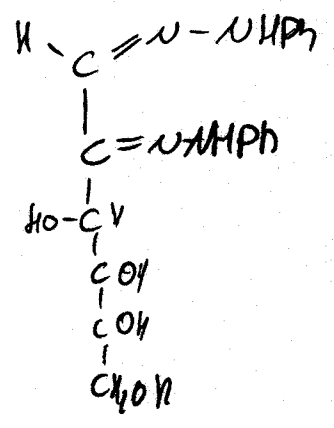
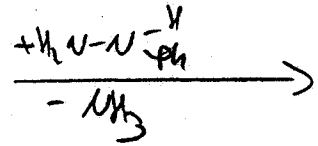
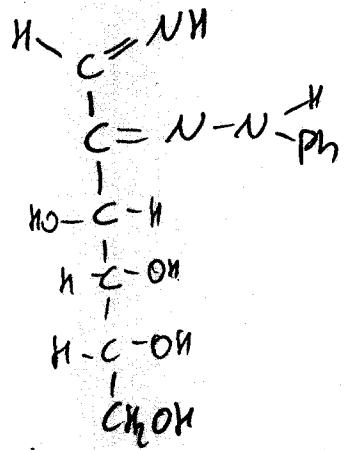
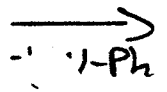
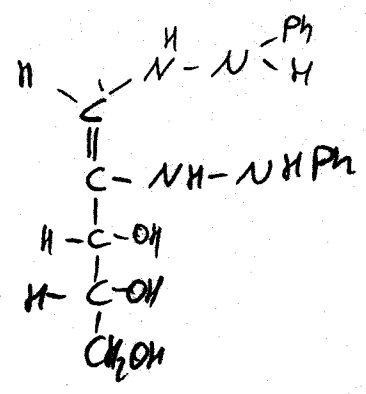
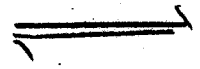
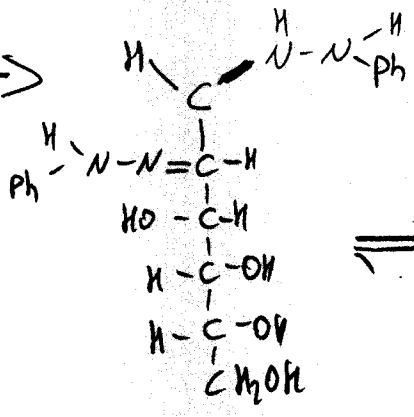
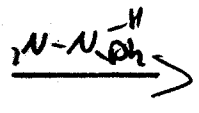
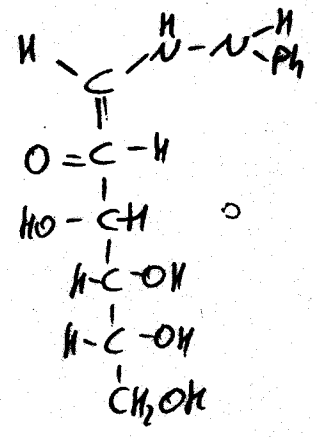
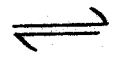
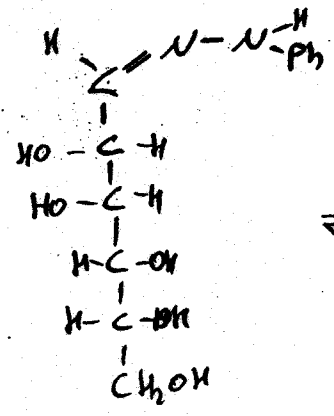
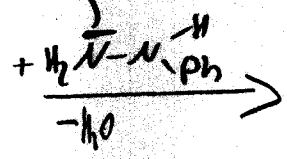
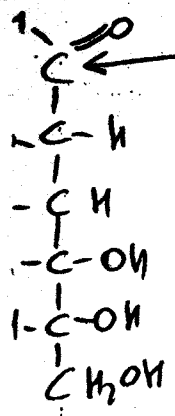
Alternativ:





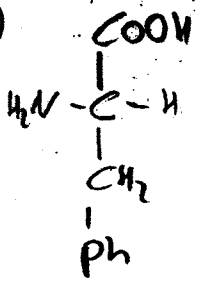
6)



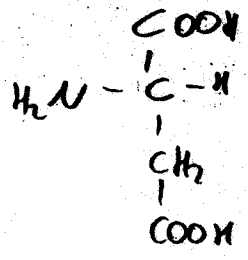


Oseton

1) Information der Konfiguration an C₂ geht
verloren ⇒ D-Glucose!

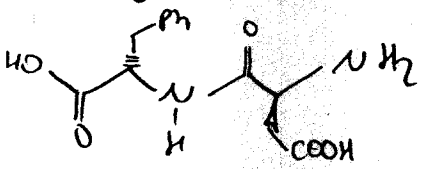


L-Phenylalanin
Phe

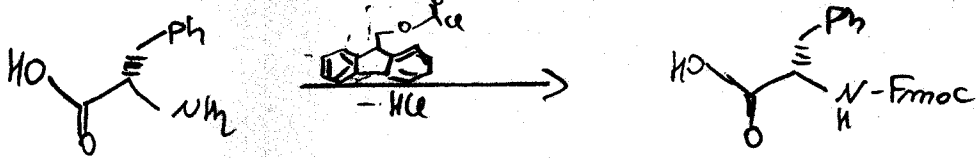


L-Asparaginsäure
Asp.

Zu synthetisieren:

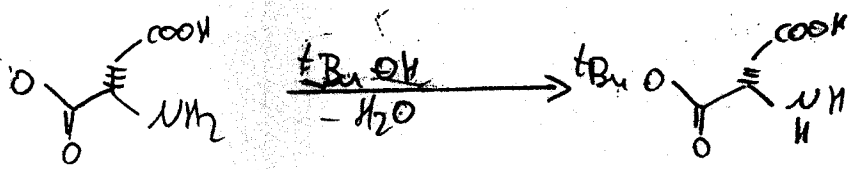


a) Schutz von im Phe:



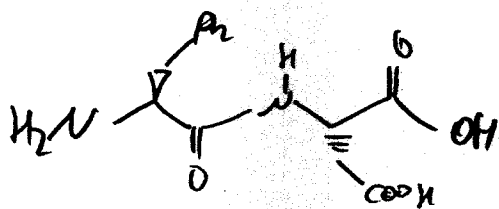
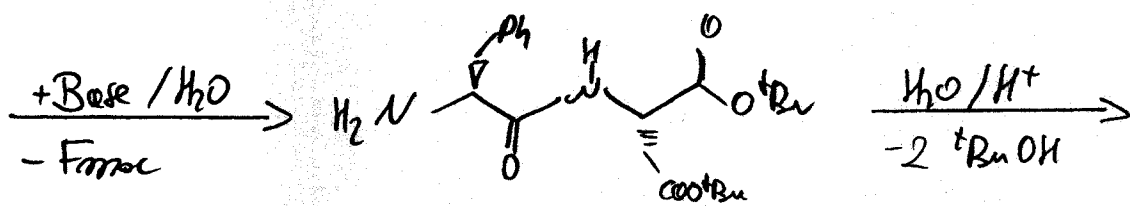
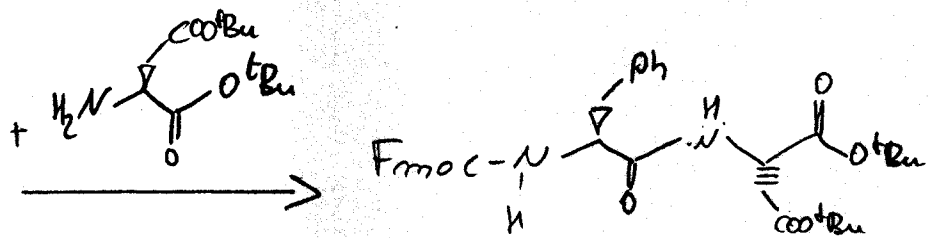
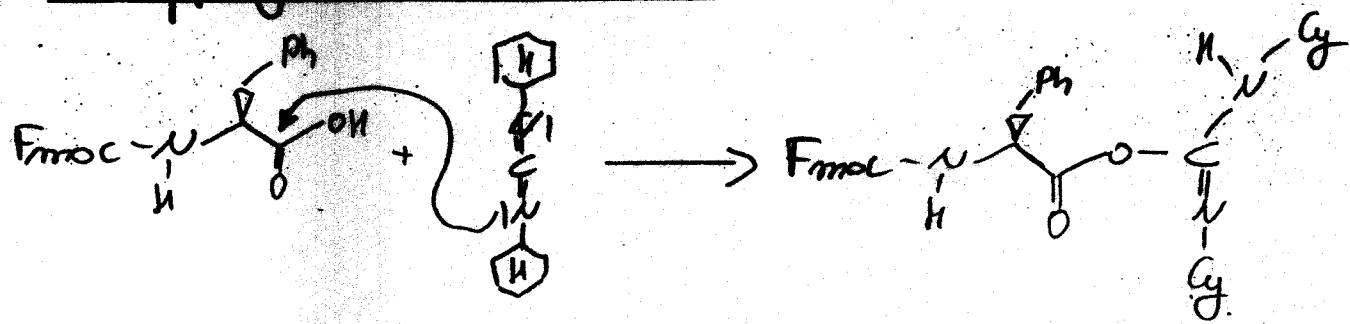
Abspaltung:
Base

b) Schutz von COOH im Asp:



c) Schutz der Seitenkette:

1) Konkupfung der beiden AS:



L-Phenylglycyl-L-Asparagine.

b)