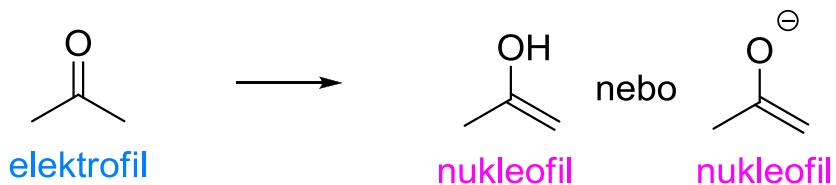


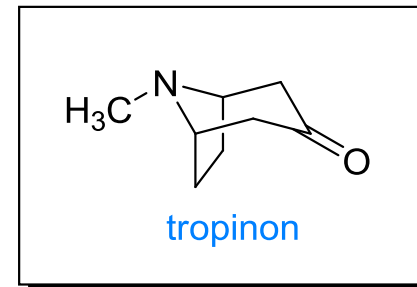
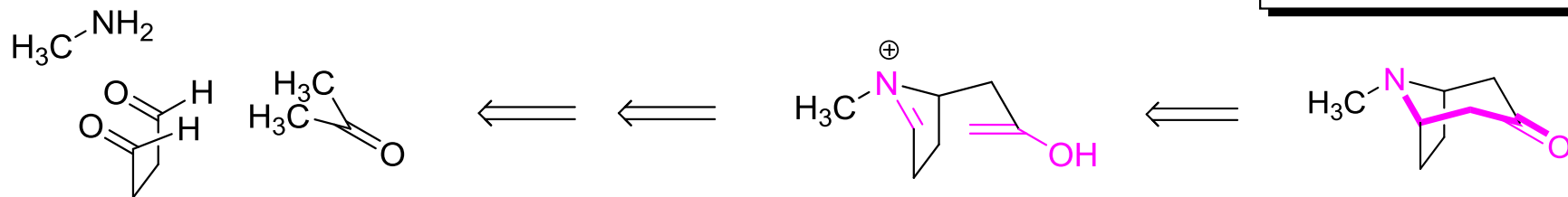


4. Enoly a enoláty

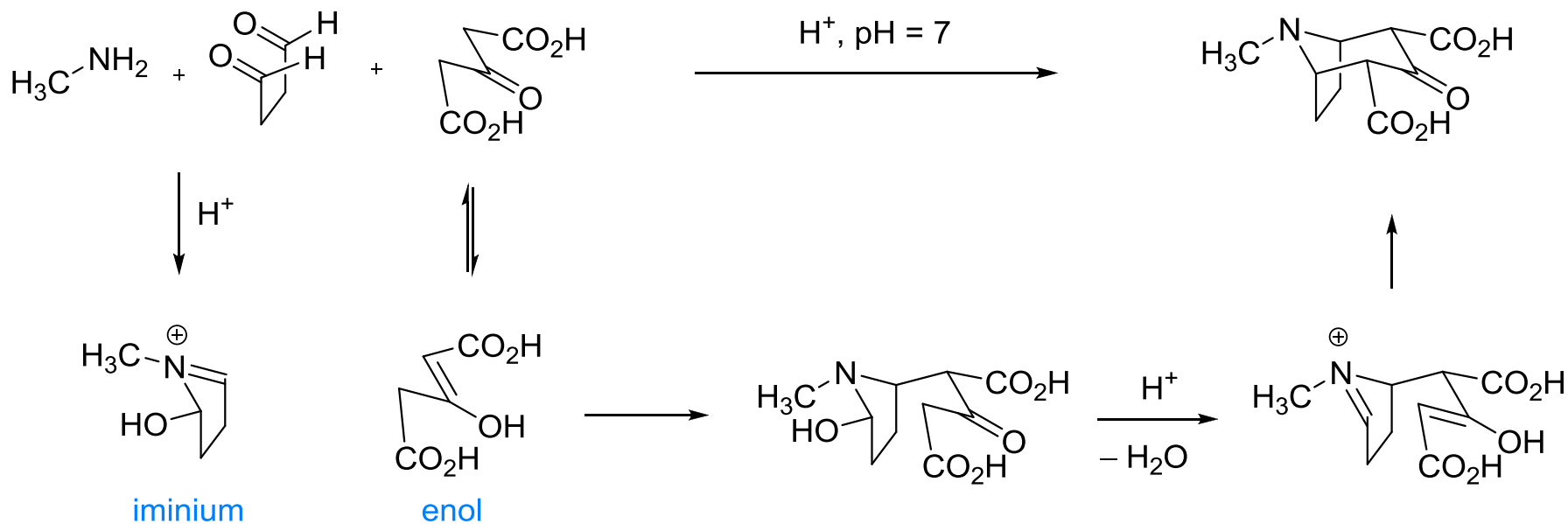




- Mannichova reakce je často používána v (bio)syntéze alkaloidů

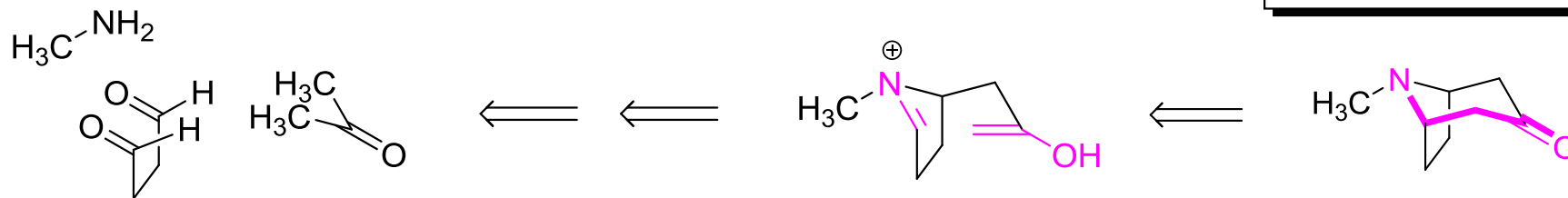
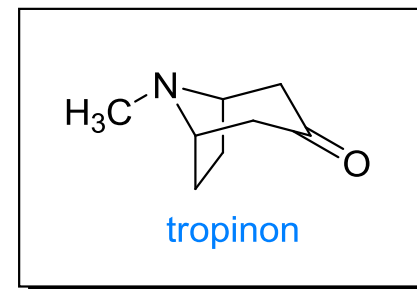


Biomimetická syntéza tropinonu v laboratoři (1917 (!), **Robert Robinson**, Nobel prize)

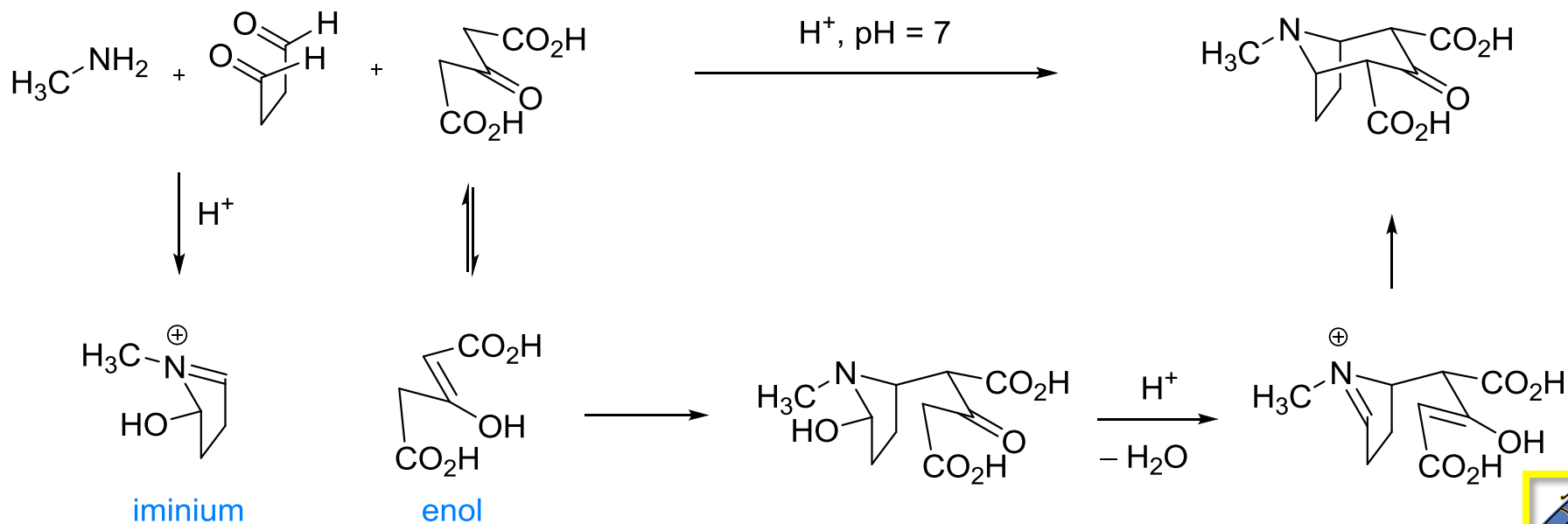




- Mannichova reakce je často používána v (bio)syntéze alkaloidů

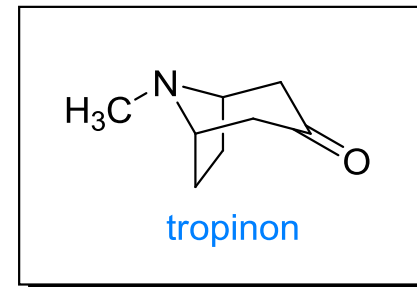
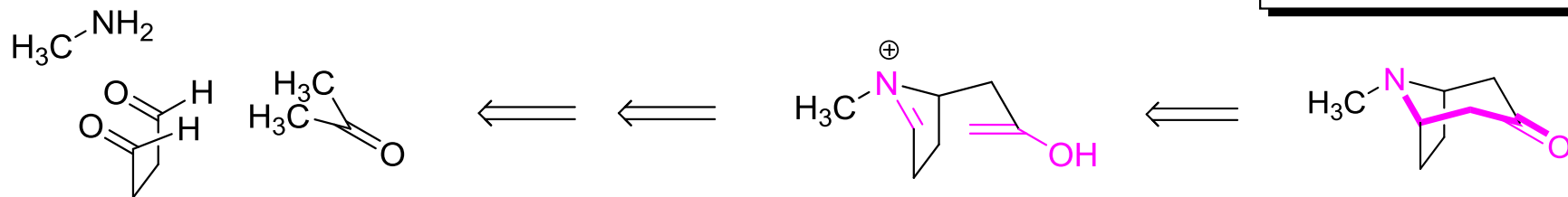


Biomimetická syntéza tropinonu v laboratoři (1917 (!), **Robert Robinson**, Nobel prize)

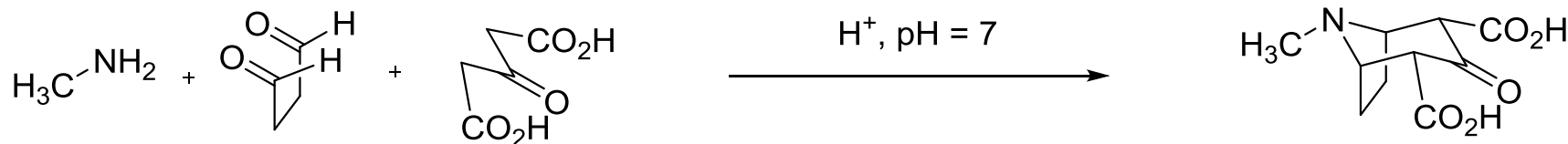




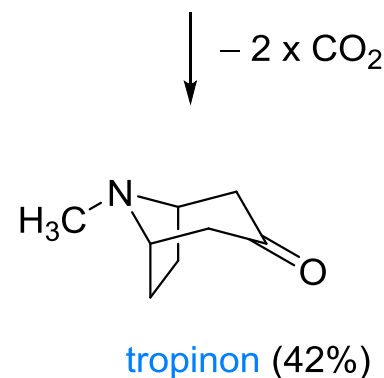
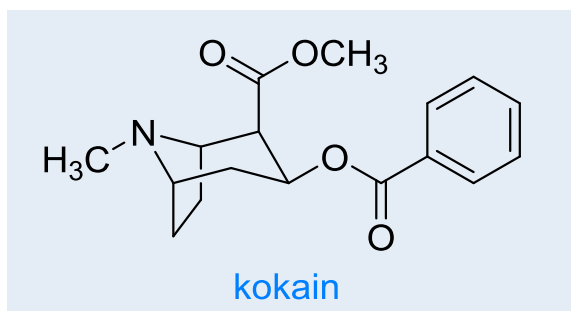
- Mannichova reakce je často používána v (bio)syntéze alkaloidů

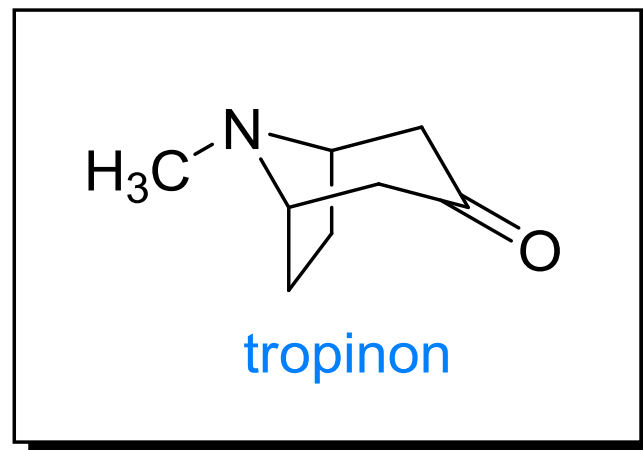
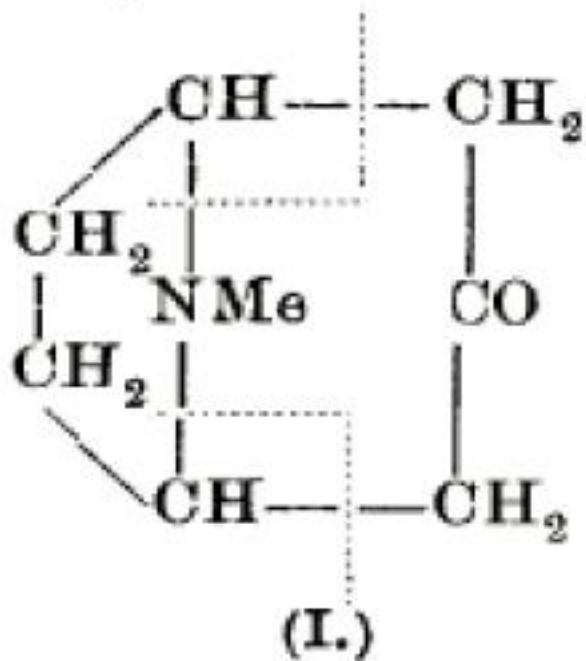


Biomimetická syntéza tropinonu v laboratoři (1917 (!), **Robert Robinson**, Nobel prize)



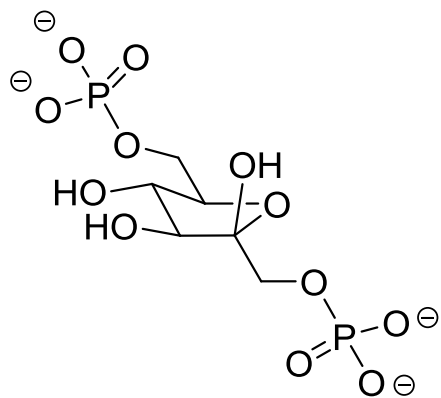
Syntéza tropinonu je skvělý problém na procvičení formálních mechanismů ...





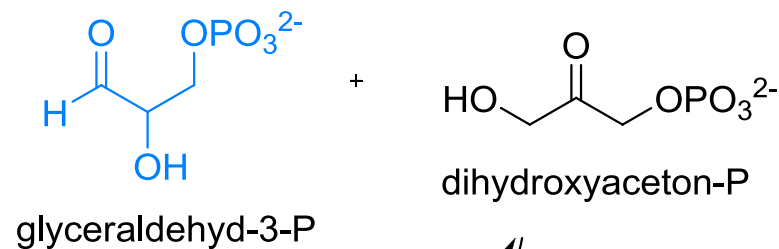
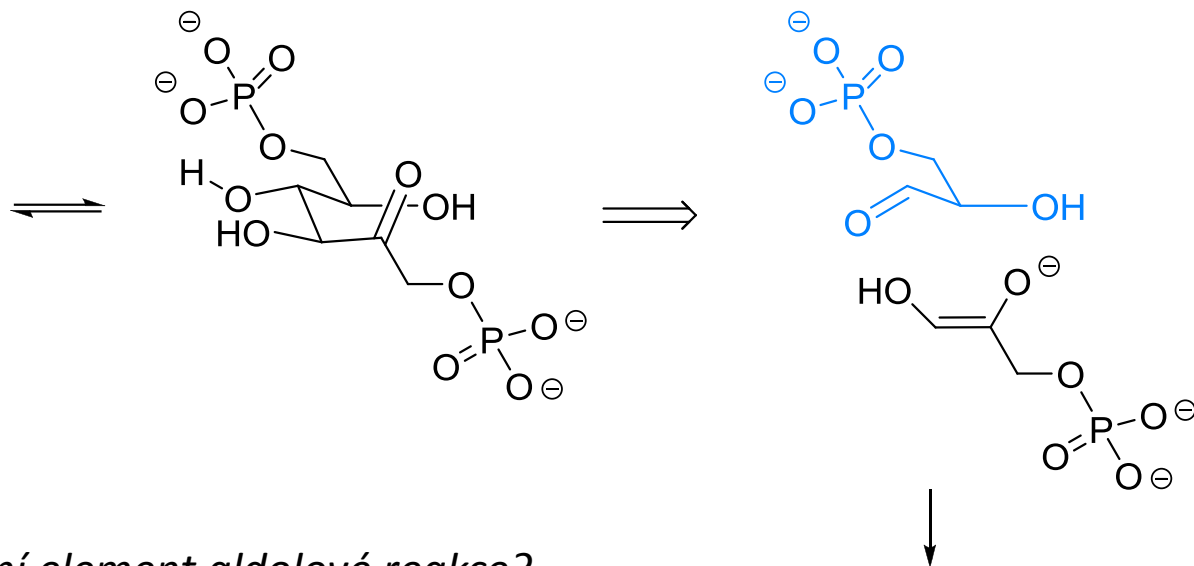


▪ Biosyntéza cukrů



Fruktosa-1,6-P₂

Q: jak rozpoznat strukturní element aldolové reakce?



Q: mechanismus izomerace?

