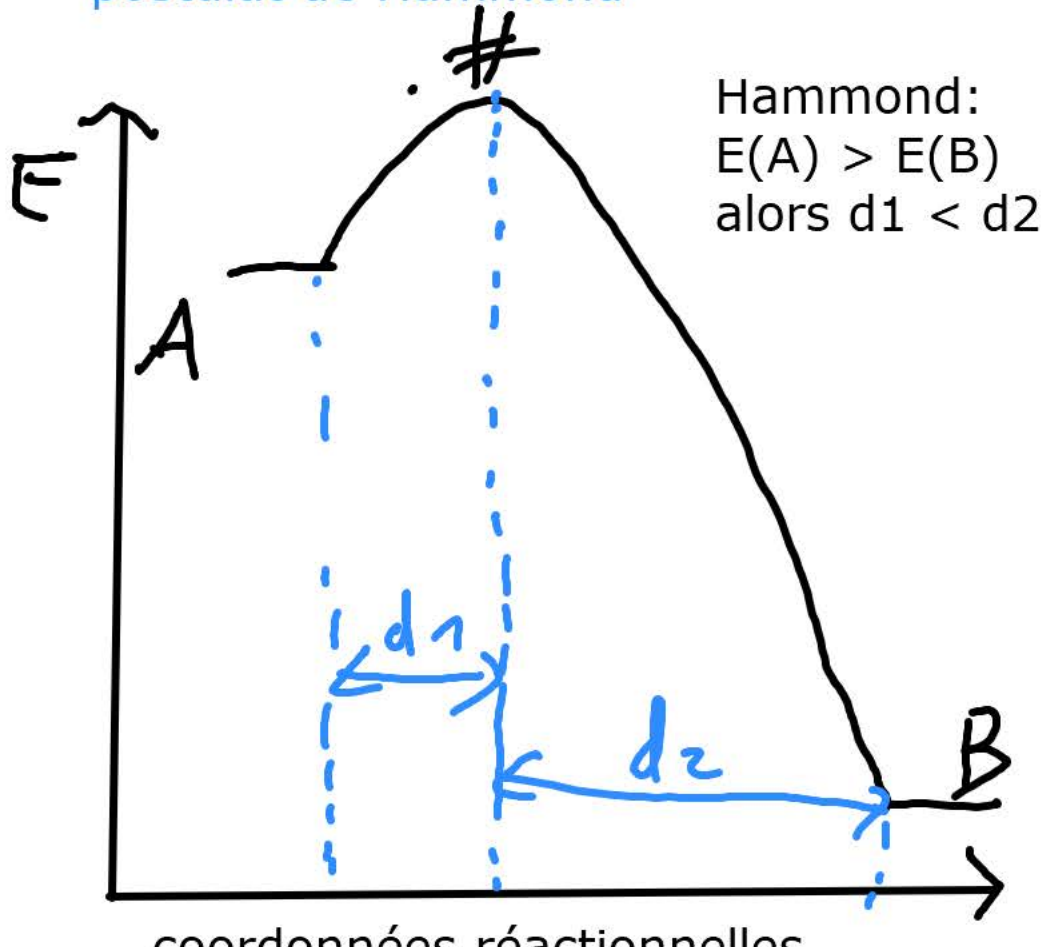
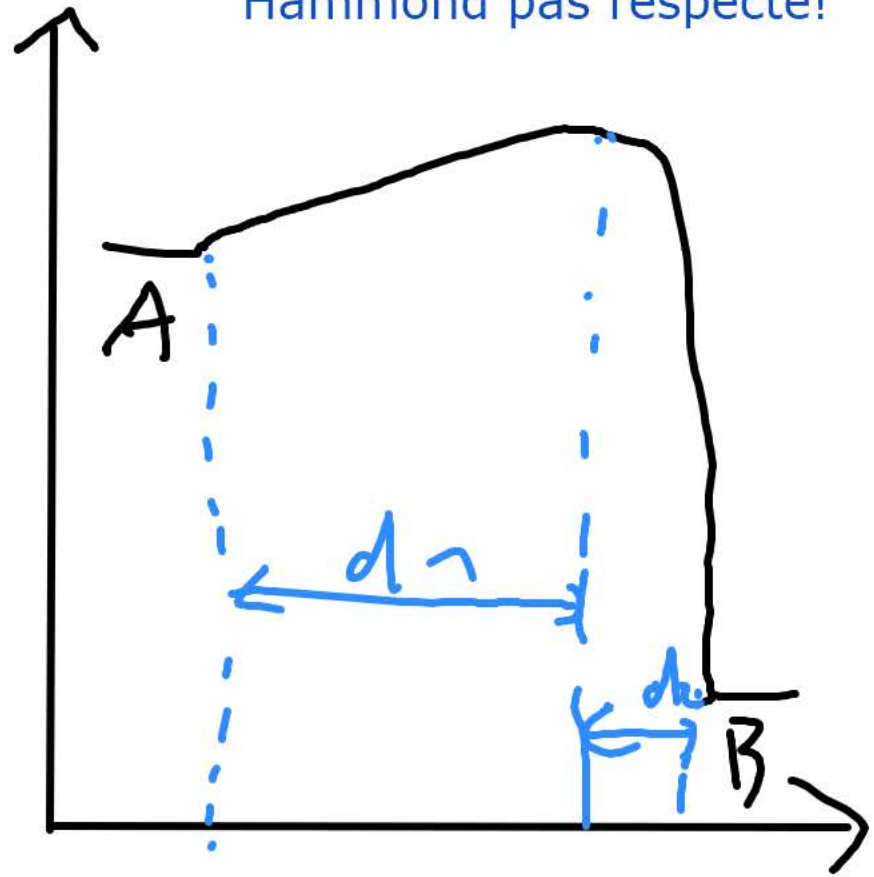
postulat de Hammond



Hammond:
E(A) > E(B)
alors d1 < d2

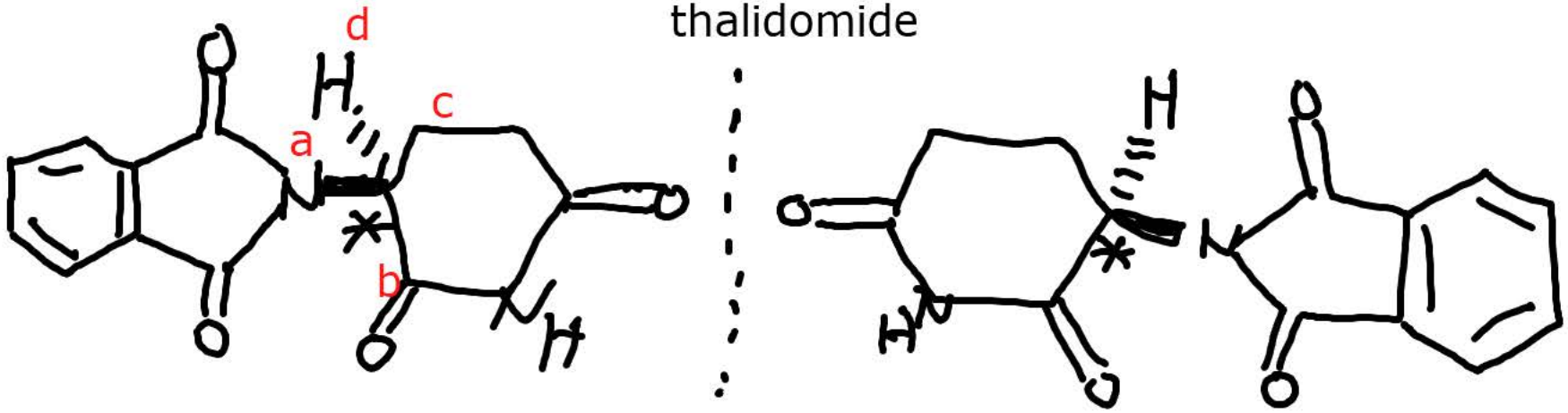
coordonnées réactionnelles
= changement de structure

Hammond pas respecté!



Importance de la chiralité

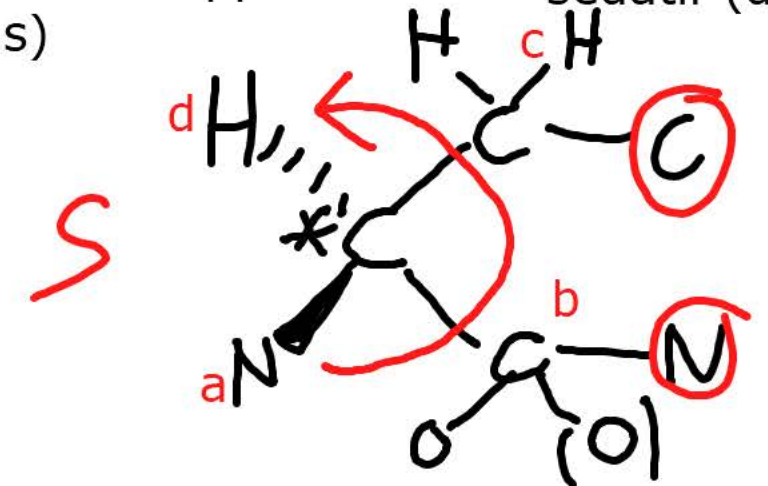
bioactivité différente



thalidomide

tératogène (empêche le développements des membres du foetus)

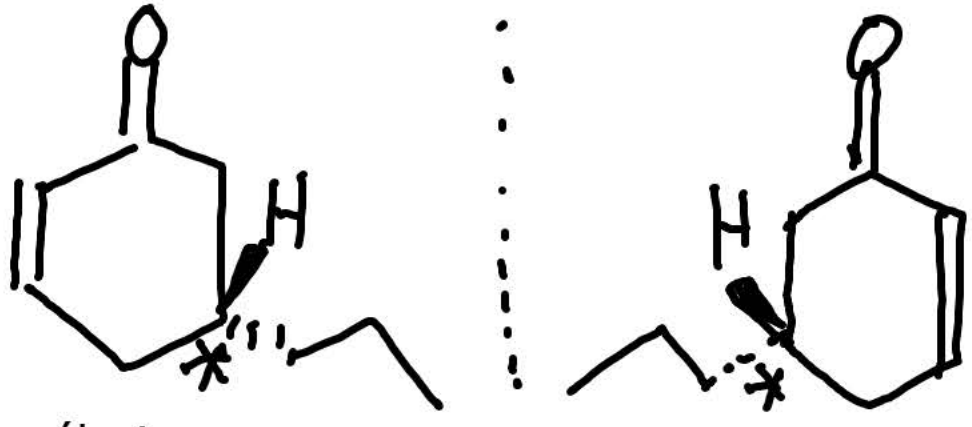
sédatif (donné aux femmes enceintes)



mettre d derrière

configuration absolue: S

odeurs/gouts

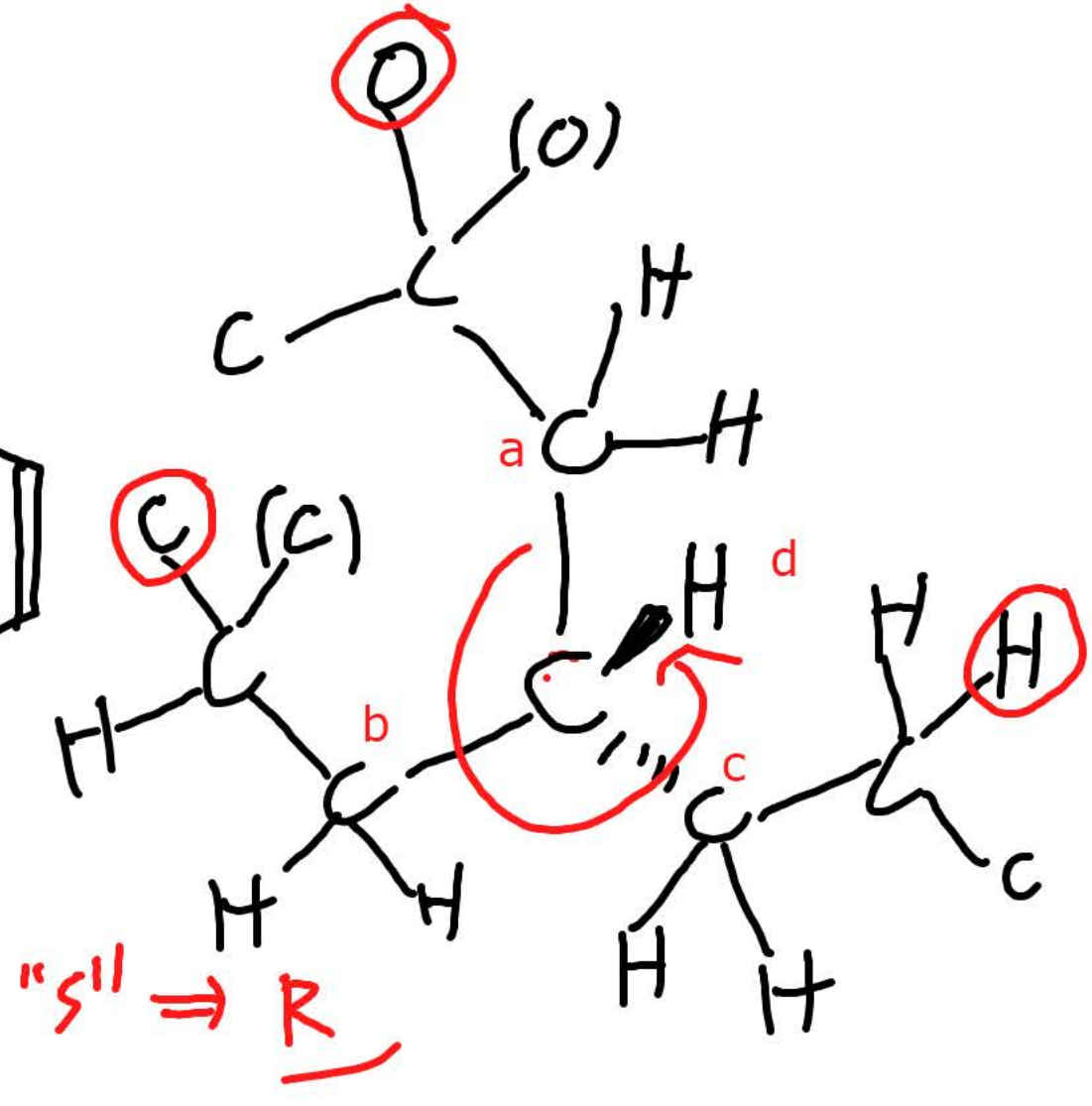


céleri

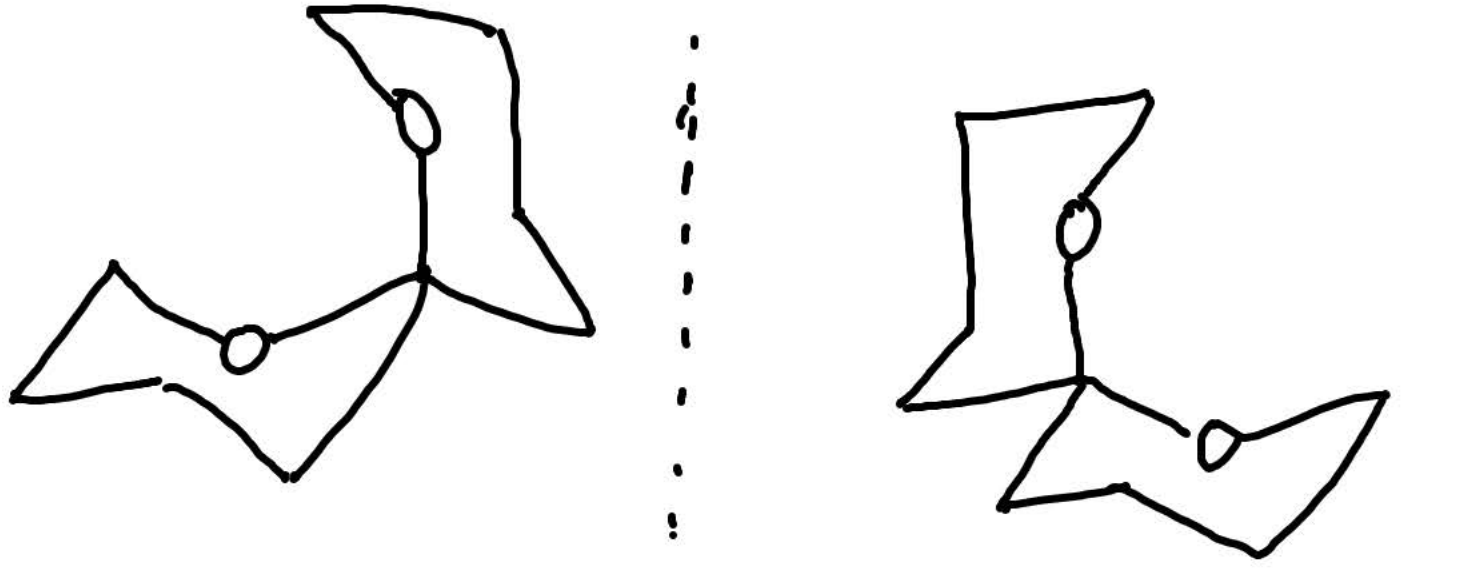
anis

d doit être derrière: ici devant,

"S" mais H (d) devant, donc la molécule a R

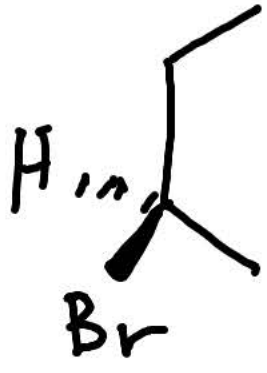


phéromone



attire les insectes mâles

attire les insectes femelles



Mesure au polarimètre:
+ 20°

pour la substance pure: alpha = +23.1 °

pureté optique: 20/23.1 = 87%

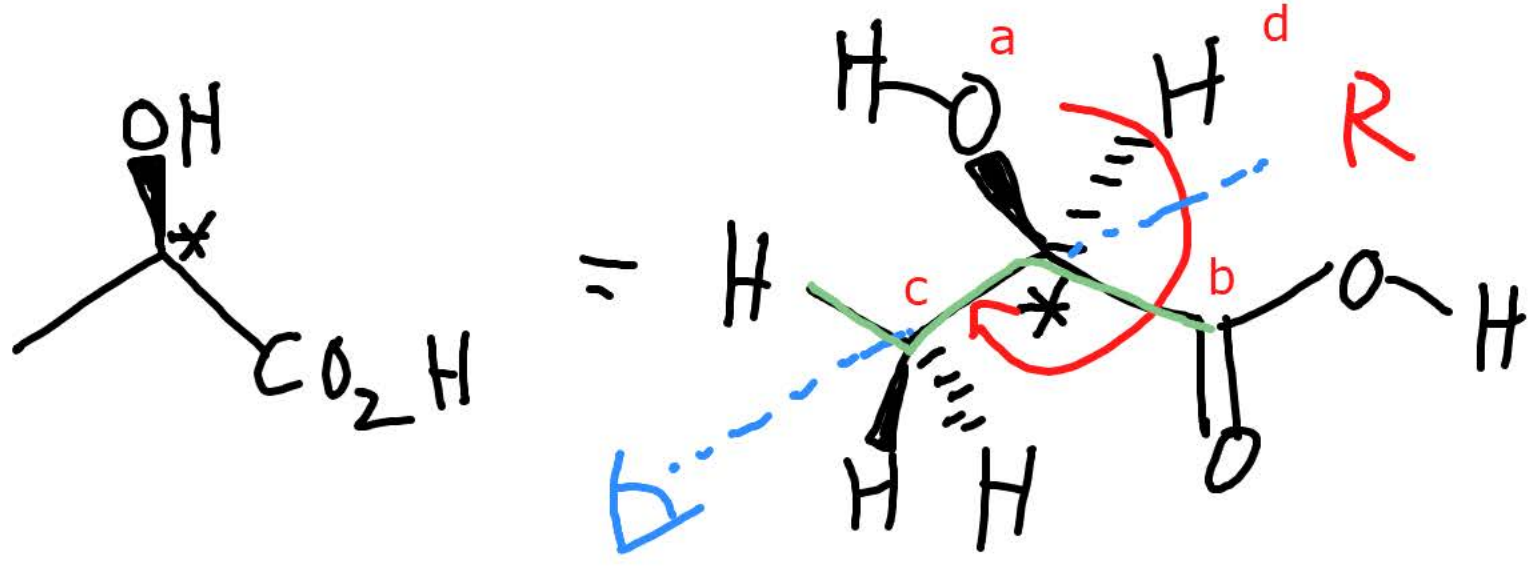
excès énantiomérique = pureté optique = 87% ee

93.5-6.5 = 87
ratio énantiomérique: 93.5: 6.5 er

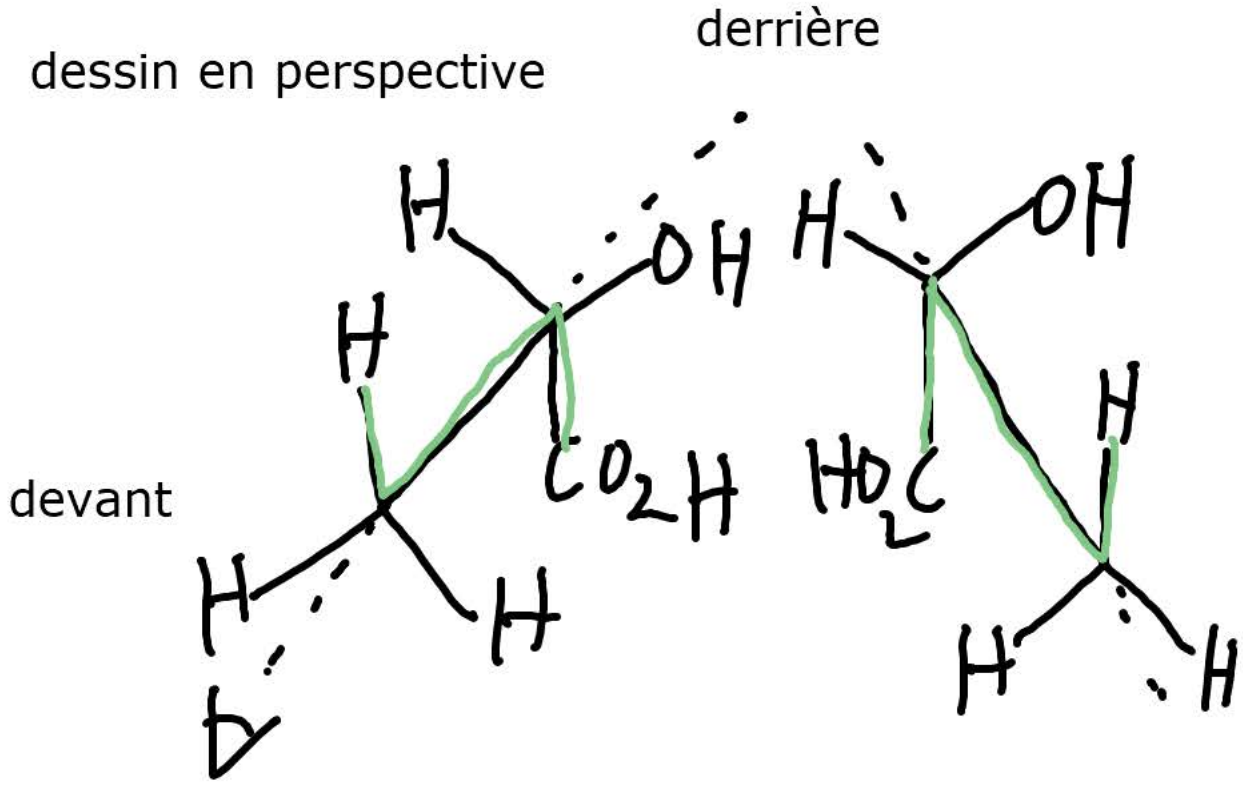
techniques de dessin en chimie organique

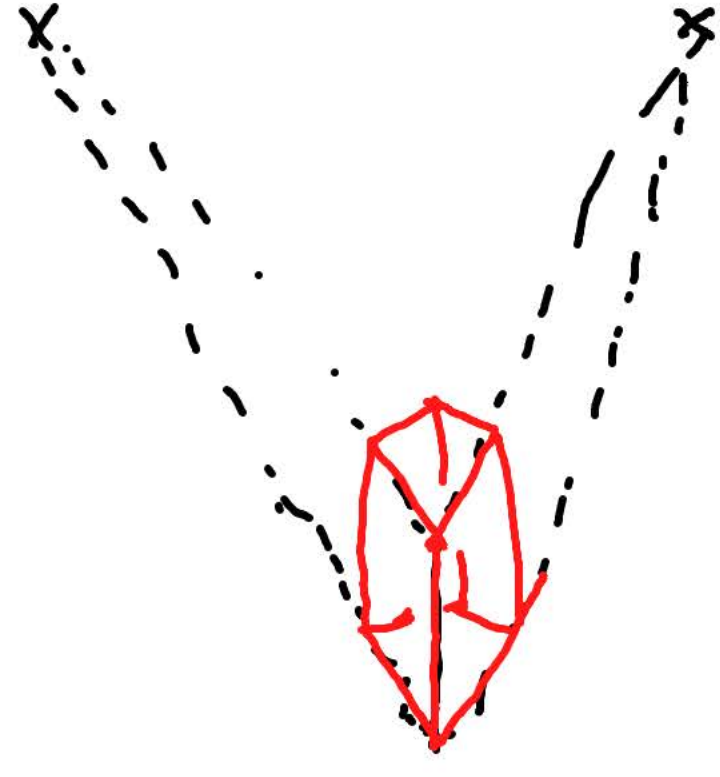
acide lactique

("d" derrière, OK)

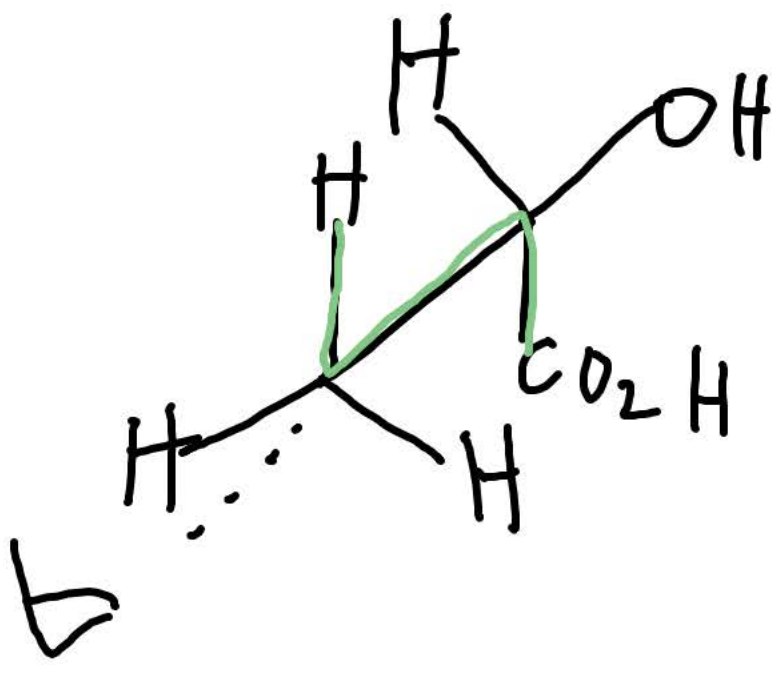


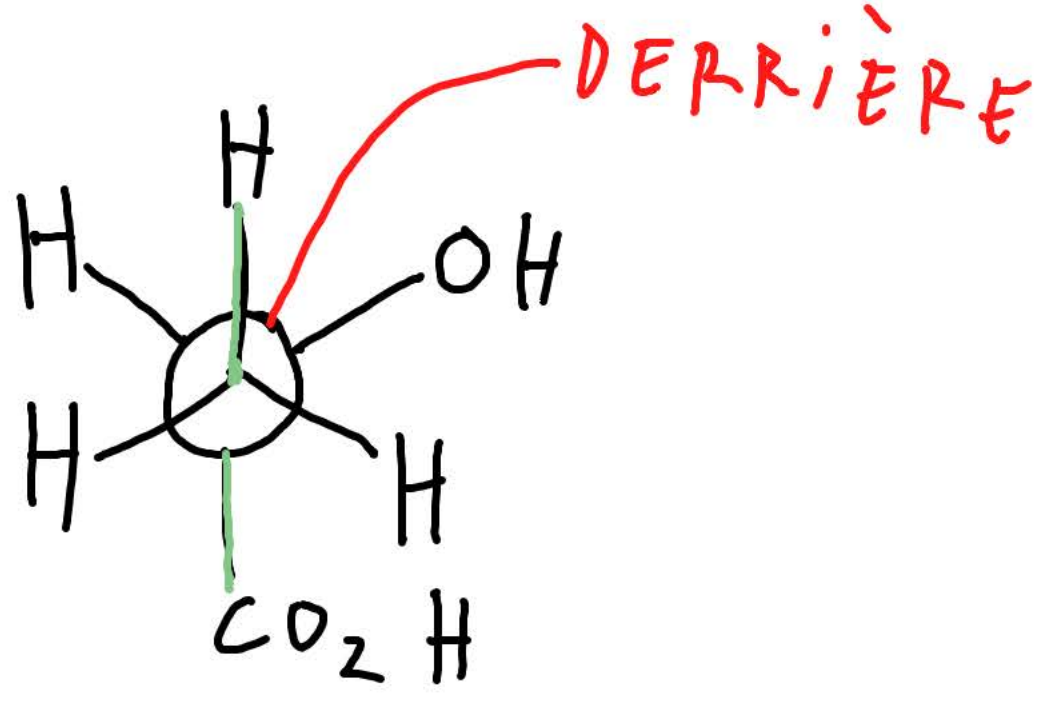
dessin en perspective

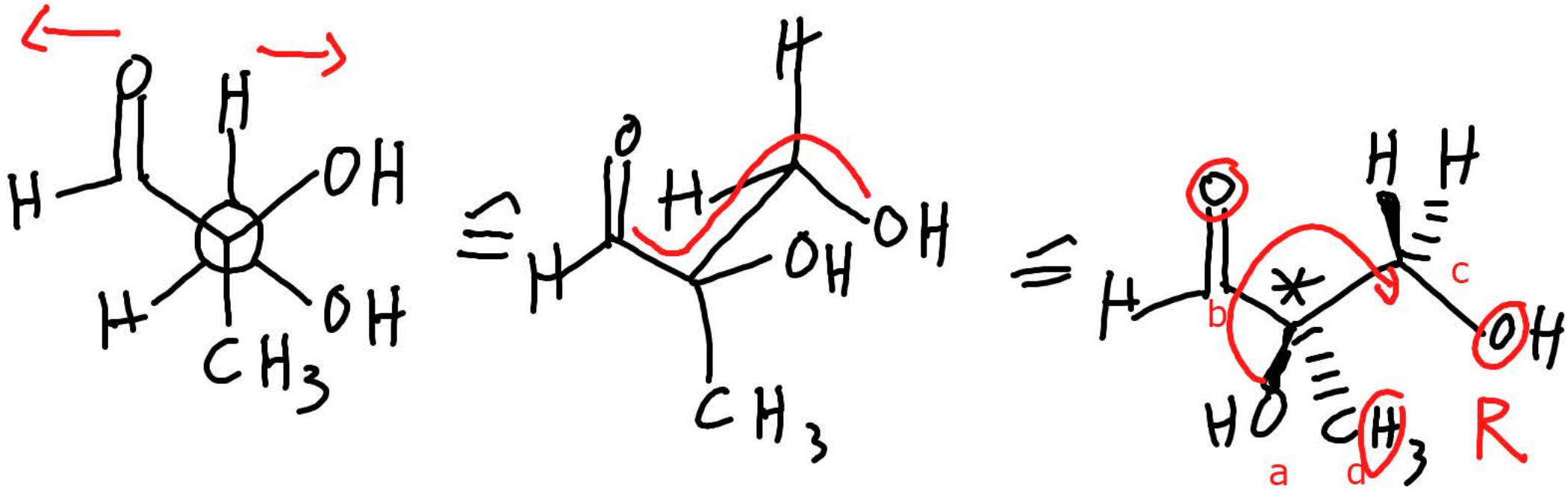




projections de Newman







d derrière, OK