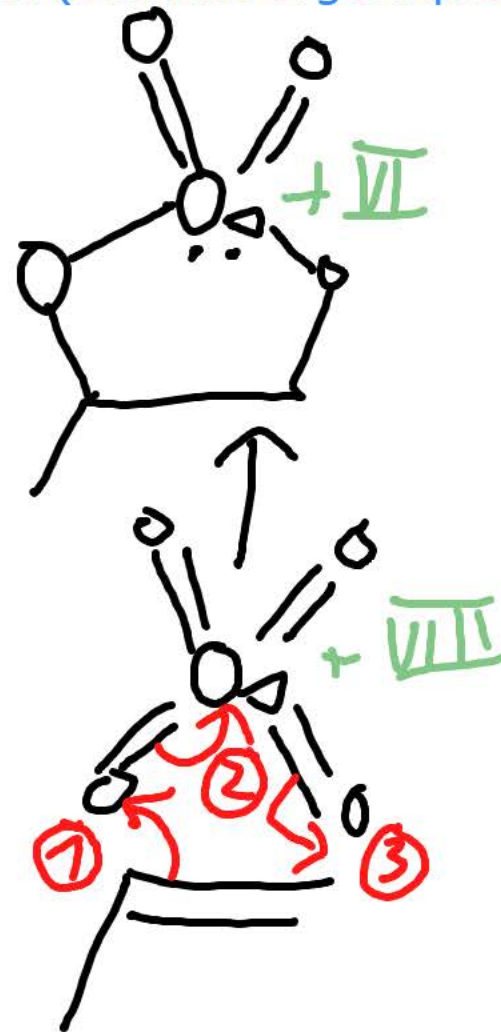
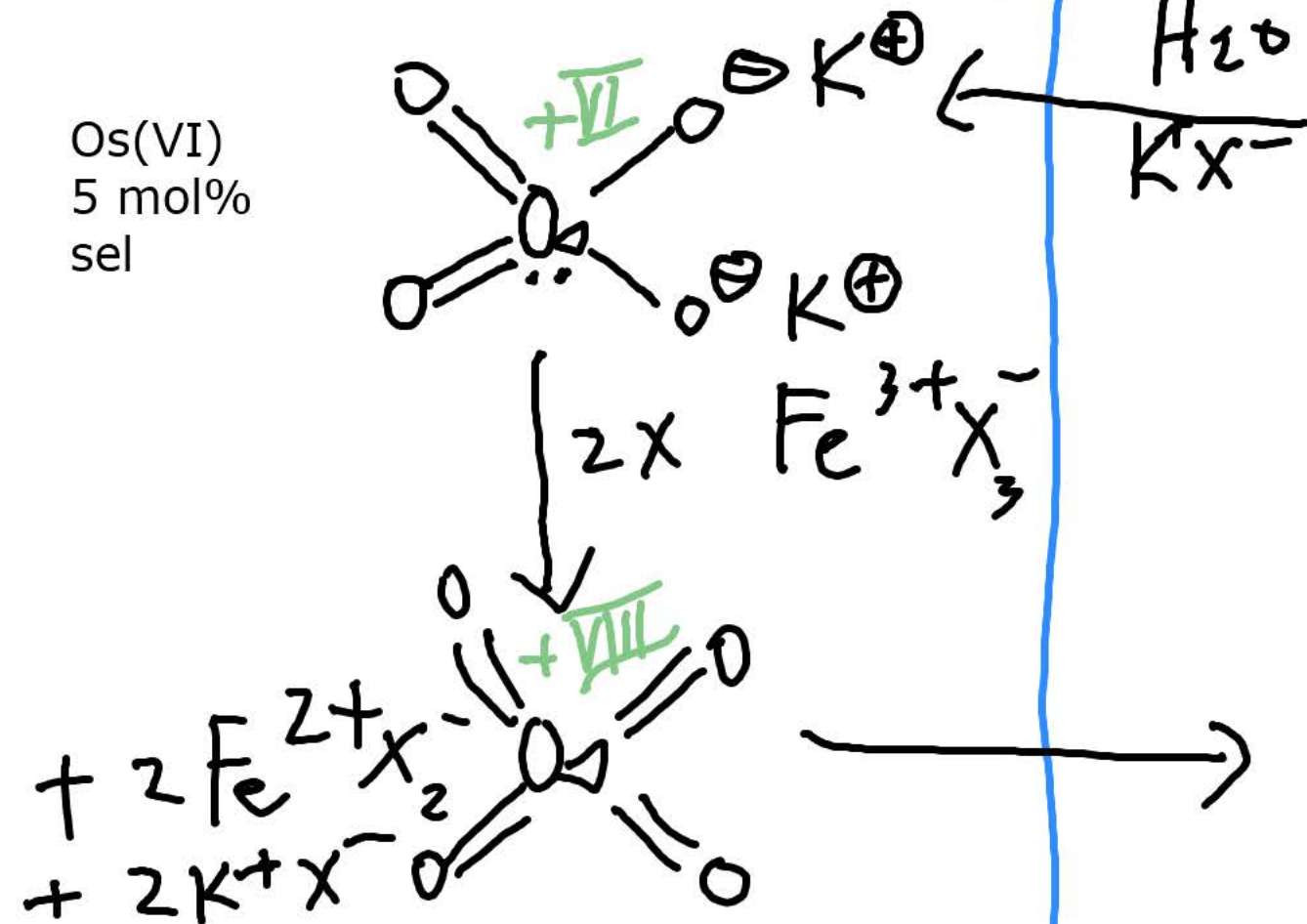


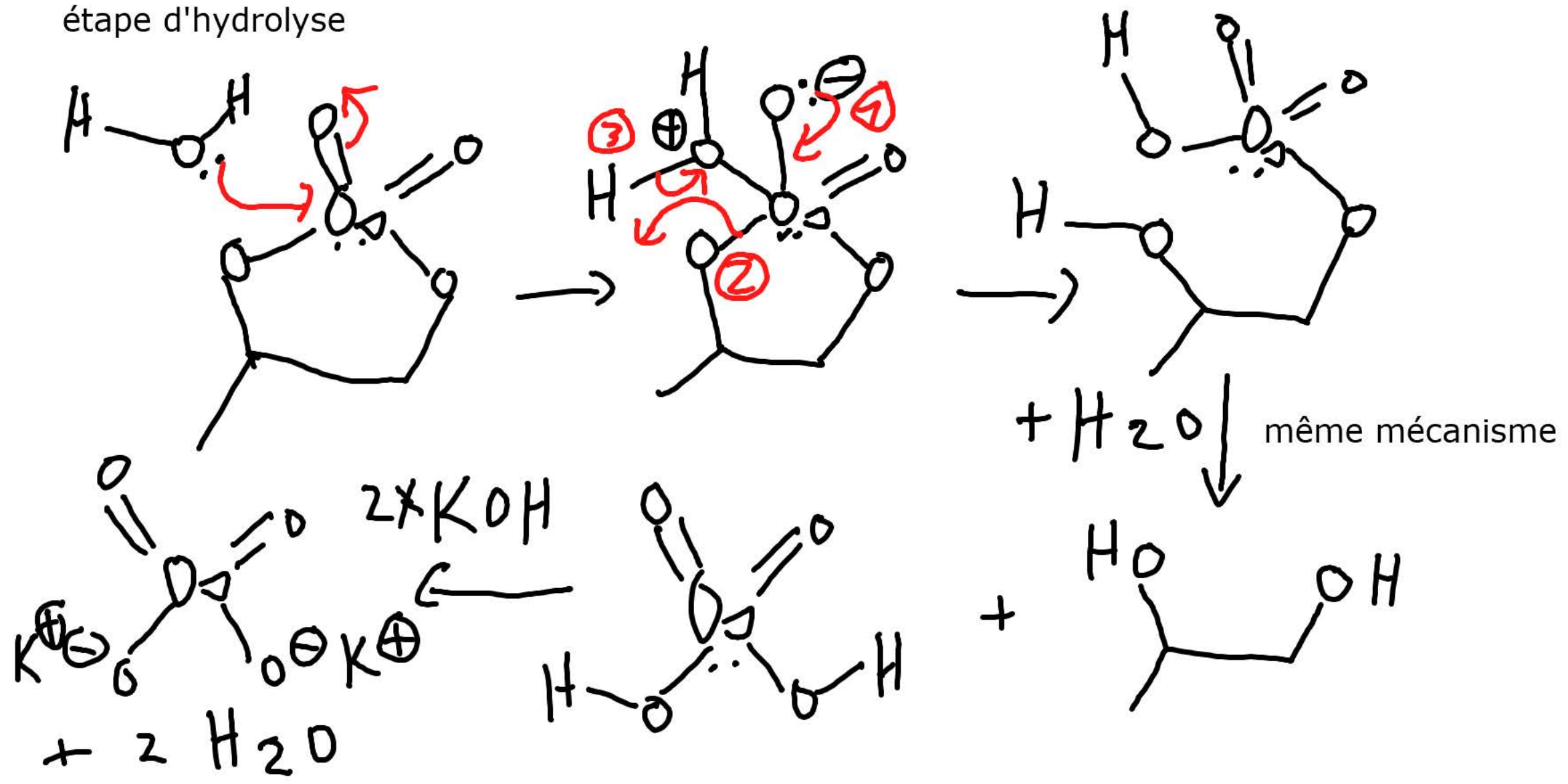
dihydroxylation catalytique en Os  $H_2O$

tert-butanol (solvant organique)

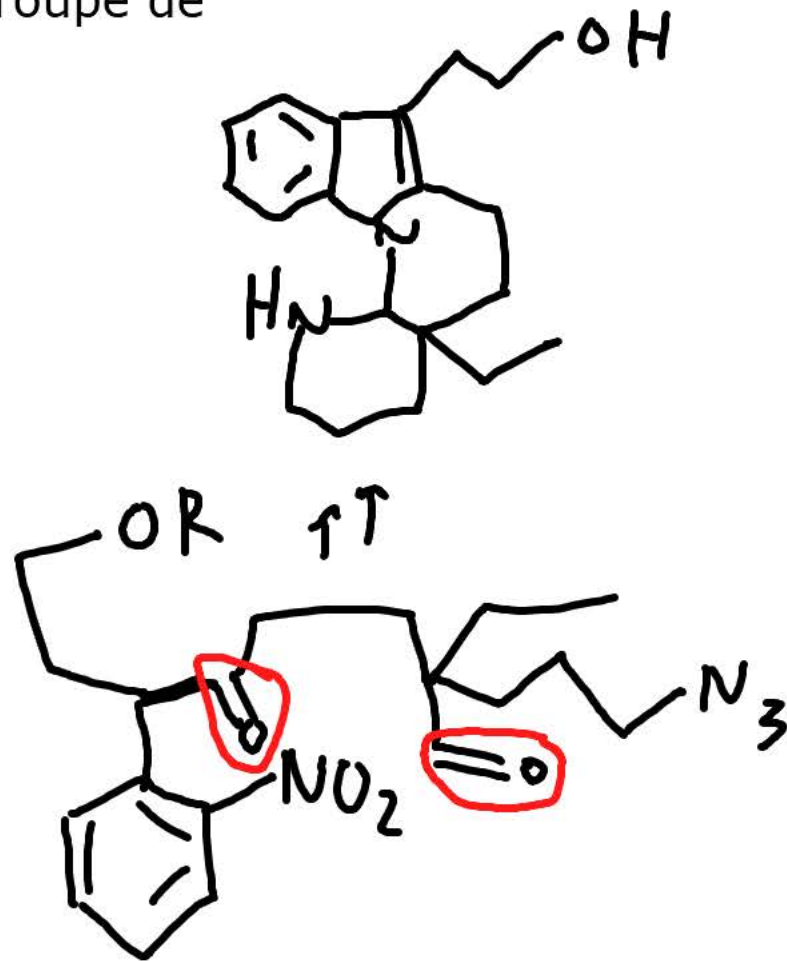
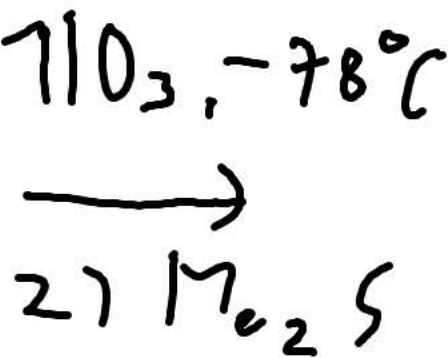
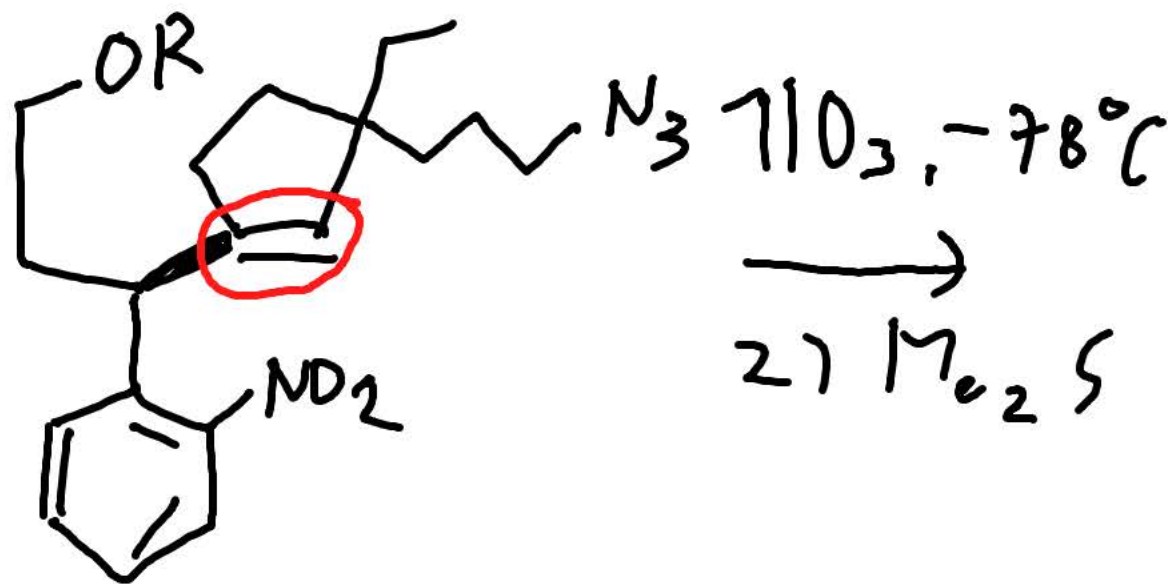
Os(VI)  
5 mol%  
sel



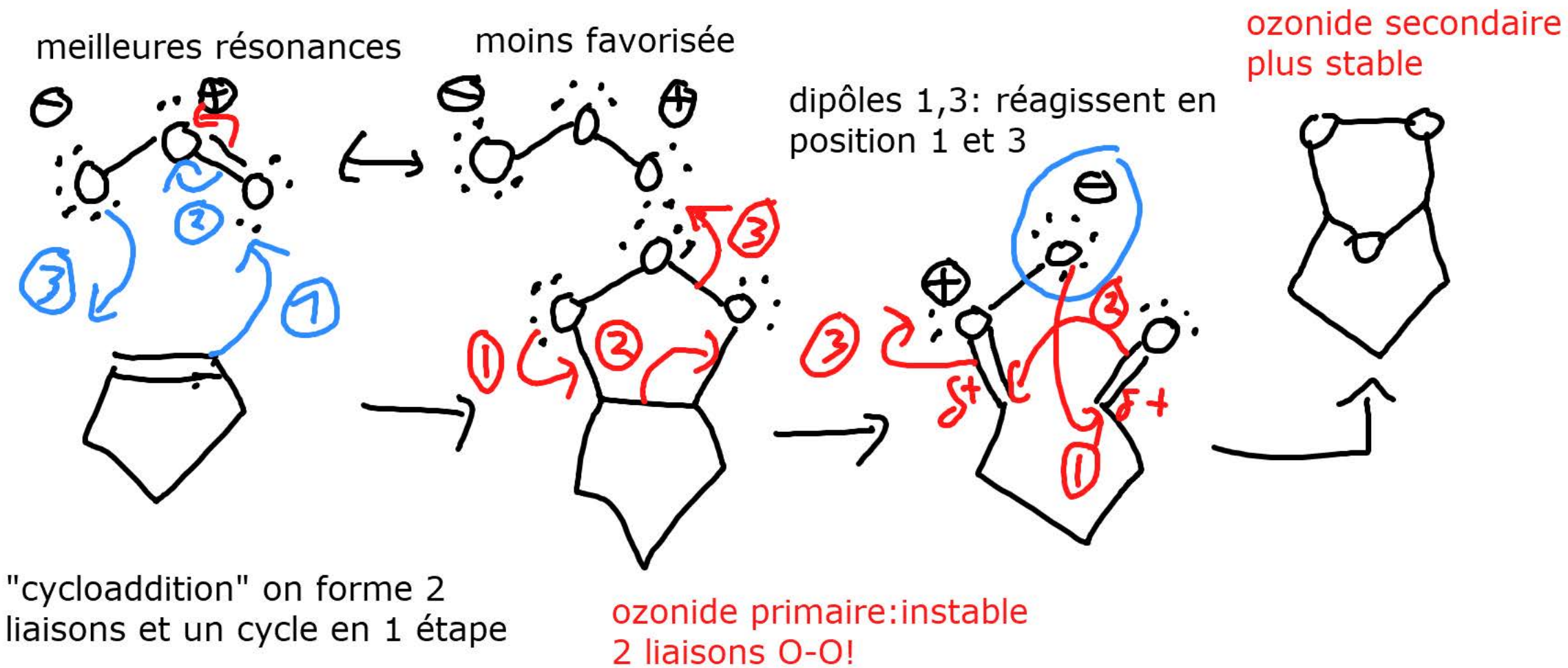
étape d'hydrolyse



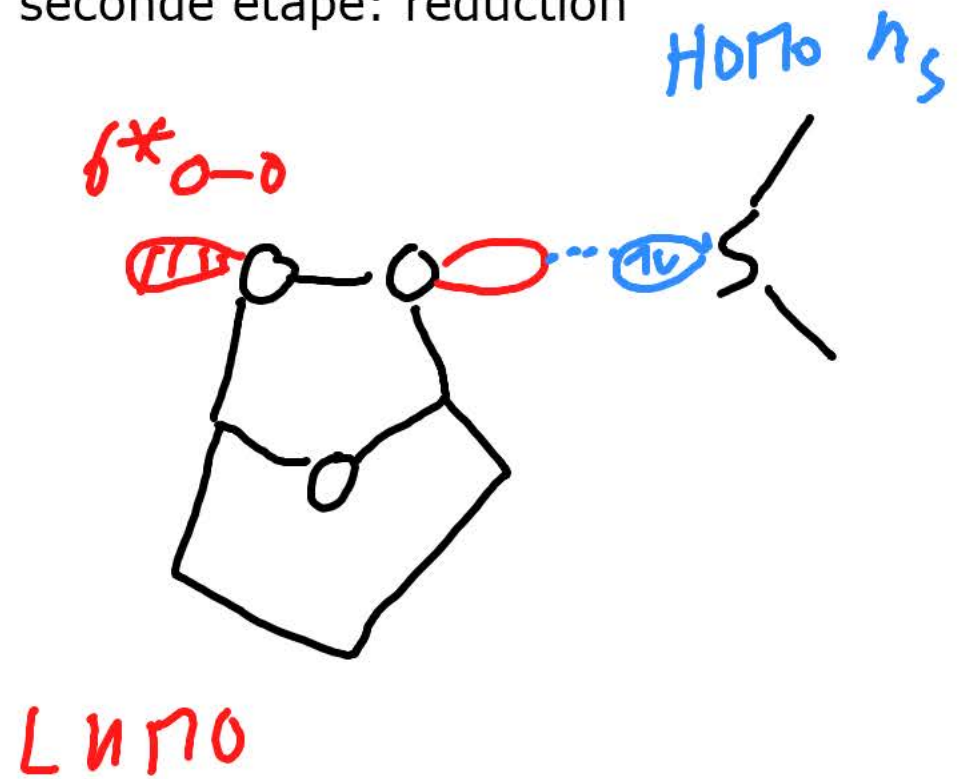
réaction d'ozonolyse: synthèse de la goniomitine par le groupe de Jieping Zhu (EPFL)



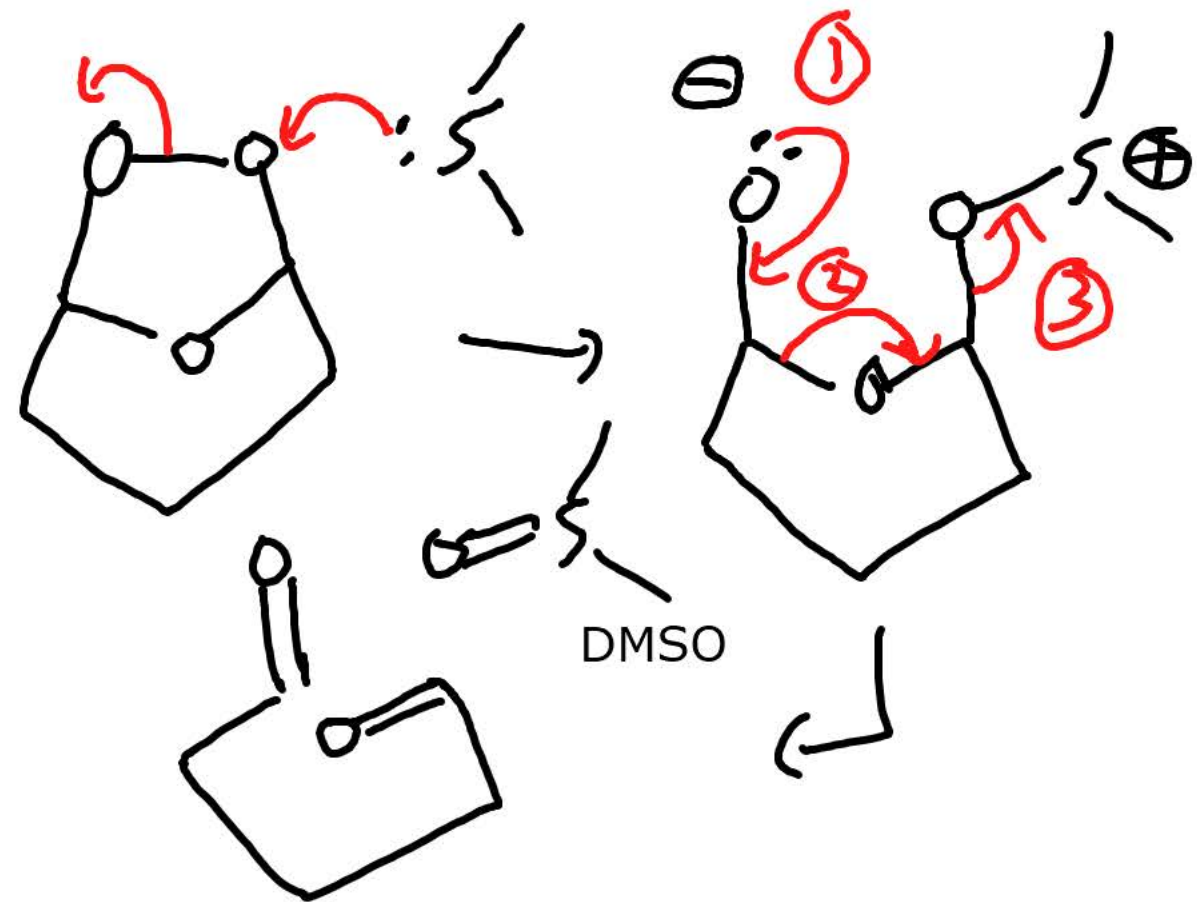
# mécanisme



seconde étape: réduction

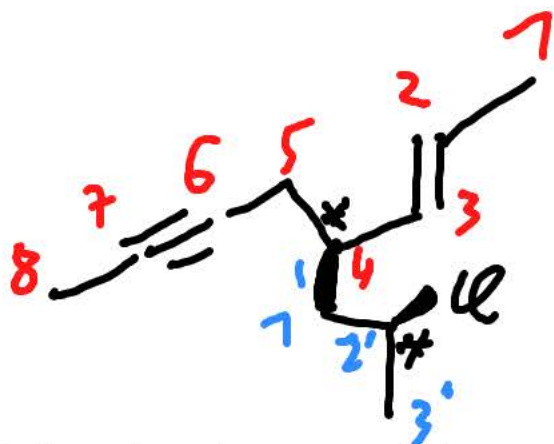


dicarbonyl,  
produit final



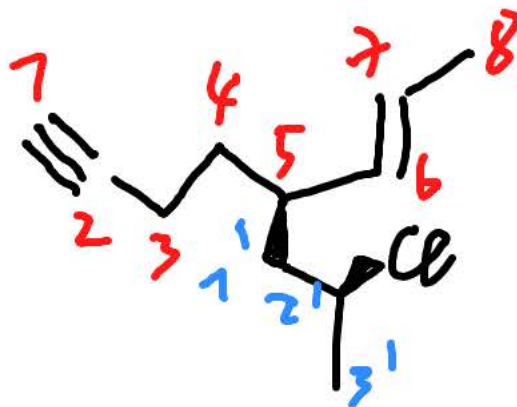


## nomenclature des alcynes



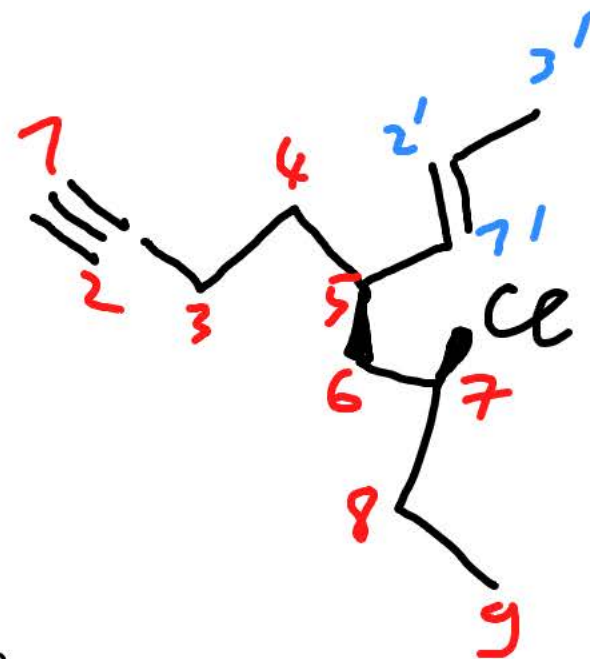
- 1) la plus longue (identique)
- 2) le plus d'insaturation
- 3) le chiffre le plus bas pour alcènes

(E,4R)-4-((S)-2-chloropropyl)-  
oct-2-ene-6-yne



chiffre le plus bas pour  
la première insaturation

(E,5R)-5-((S)-2-chloropropyl)-  
oct-6-ene-1-yne

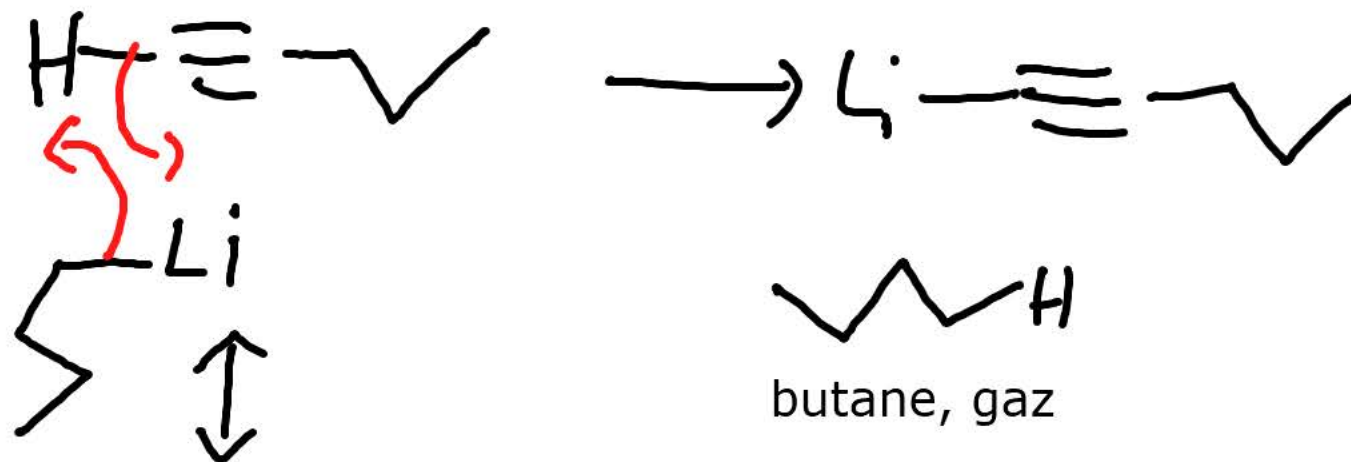


chaîne la plus longue!

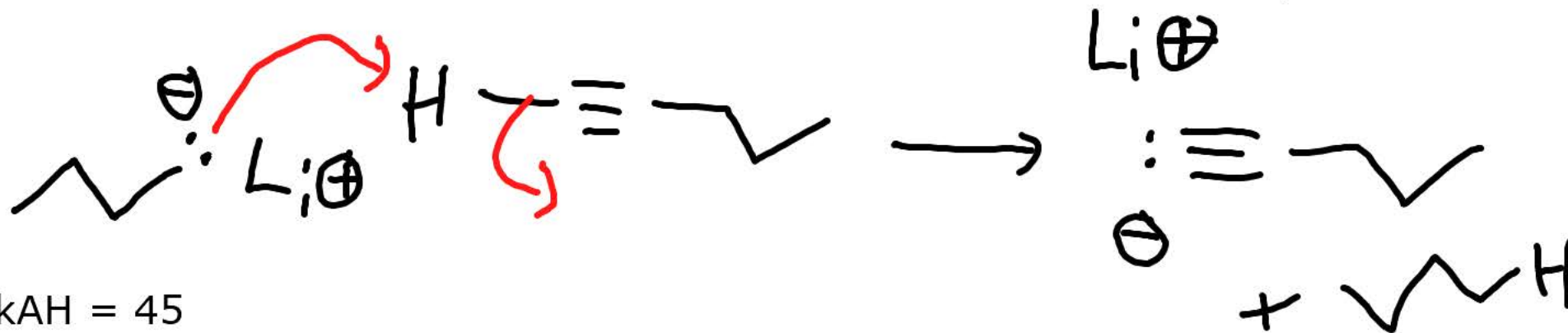
(5R,7S)-7-chloro-5-((E)-  
prop-1-enyl)-non-1-yne

## déprotonation et réaction des alcynes

$\text{pK}_\text{A} = 25$



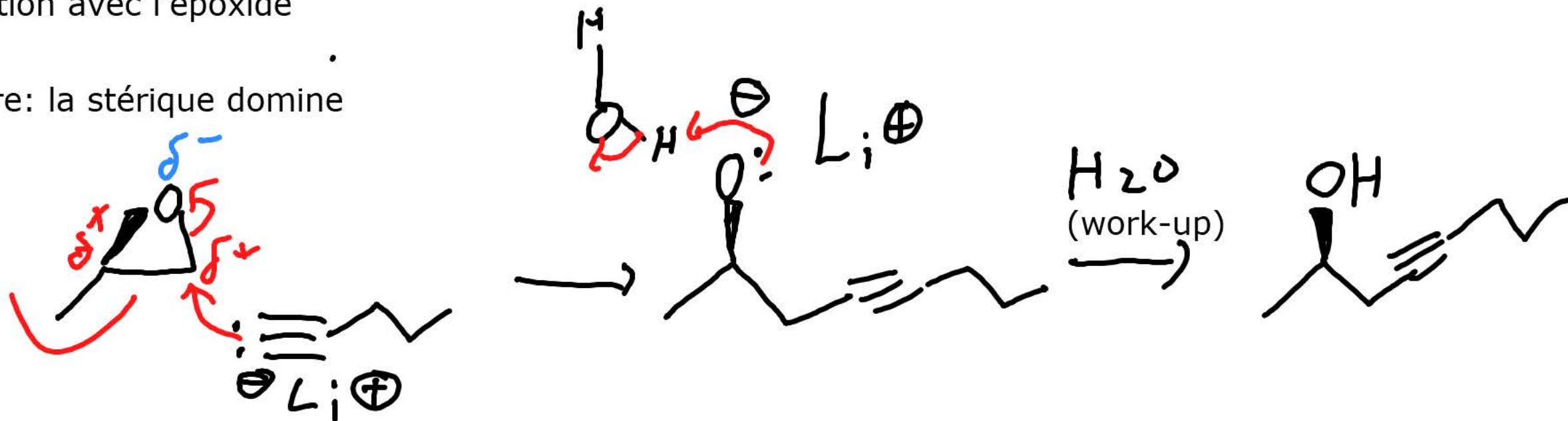
forme ionique plus importante dans le cas des alcynes



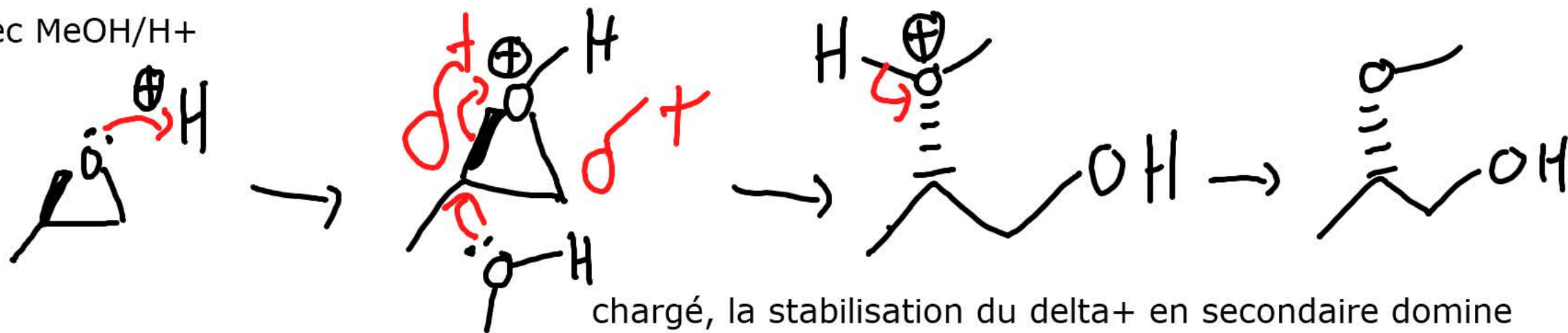
$\text{BuLi}$ ,  $\text{pK}_\text{AH} = 45$

réaction avec l'époxide

neutre: la stérique domine



avec  $\text{MeOH}/\text{H}^+$



chargé, la stabilisation du  $\delta^+$  en secondaire domine