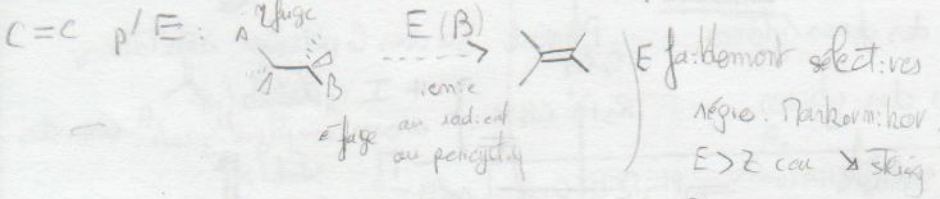


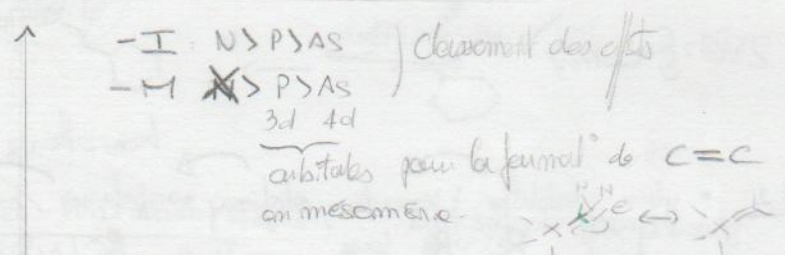
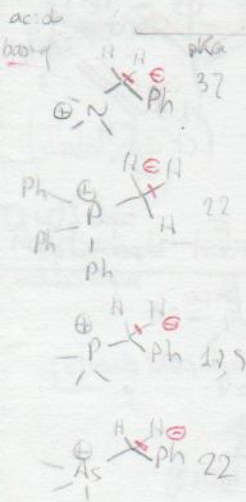
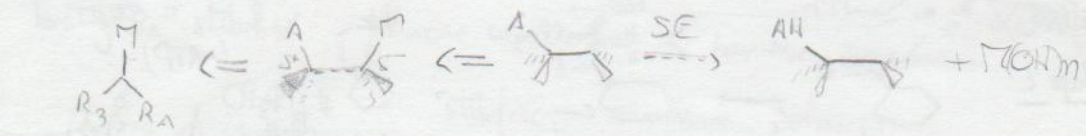
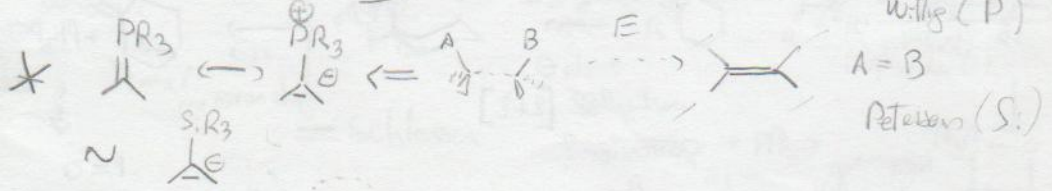
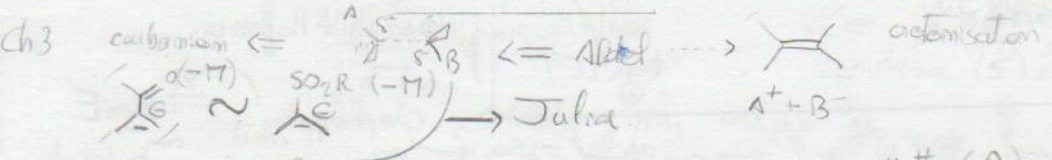
ChK 1 ends 2 exs 0

Création C=C par mult de paires d'o on plusieurs étapes (≠ pericycliq).

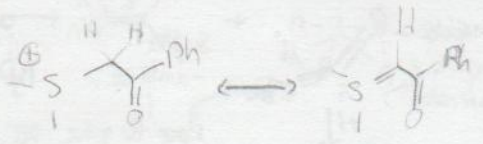
Pb stéréochimie : propriétés (T_f) et Biologique (Z/E)



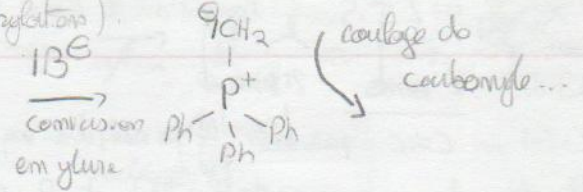
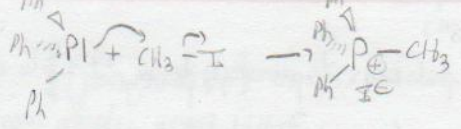
propriétés X : réactivité et chimiq. Pb de purification.



Rmq:



phosphonium: phosphine + R⁺ (aldehydes)

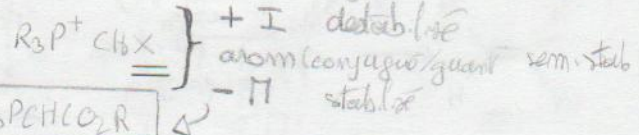


(preparation in-situ).

Analyse e⁻ des glyceres/glyemes.

Partie 3d dans le paysage arbitraire

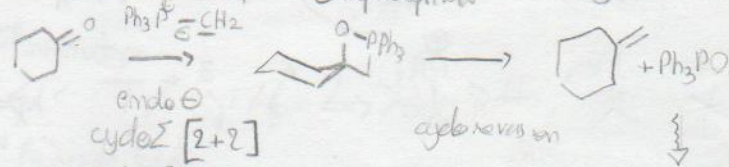
Classification des glyemes.



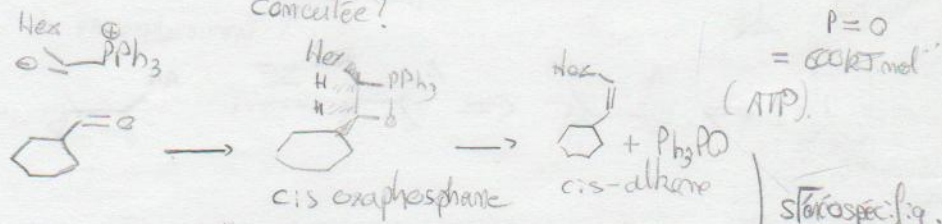
Ph ₃ PCNR	Ph ₃ PCHAr ₁ Ar ₂	Ph ₃ PCHCO ₂ R
in situ	—	—
base forte	NaOEt/NaCH ₂ aq	NaCH ₂ aq
supra/antara	mixte	supra/supra
cis (Z)	—	trans (E)

Woodward Hoffmann.

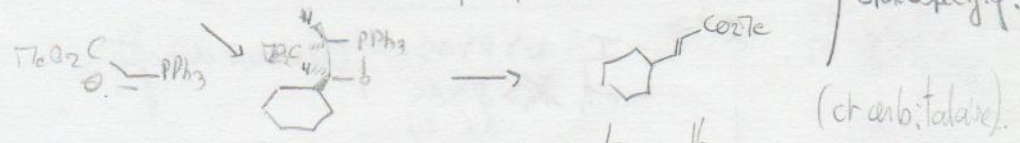
La réaction de Wittig:



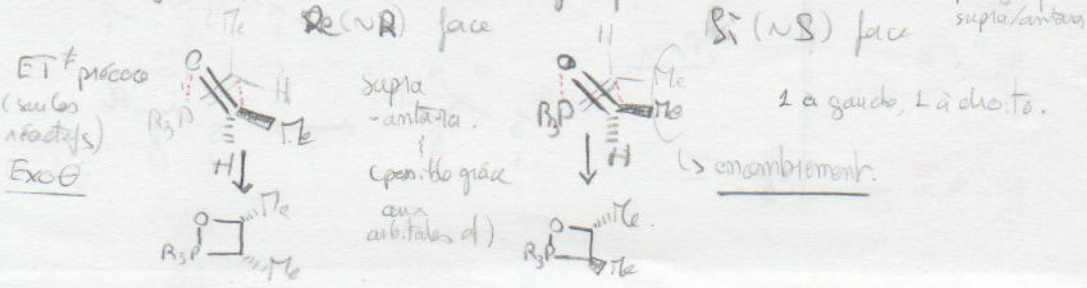
stereo:



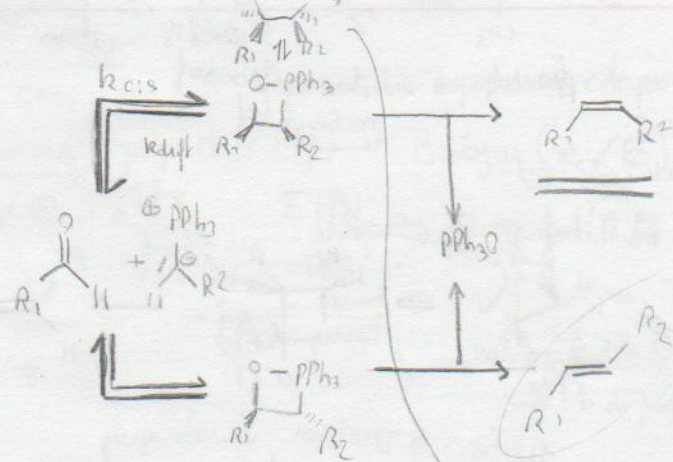
étape 2:



étape 1



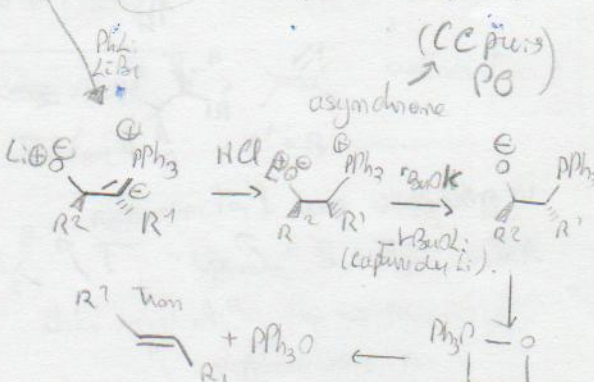
1) S: Li^+ : phénomènes $\neq \text{Li}^+$ O^- PPh_3 Li^+ : peut s'associer à O



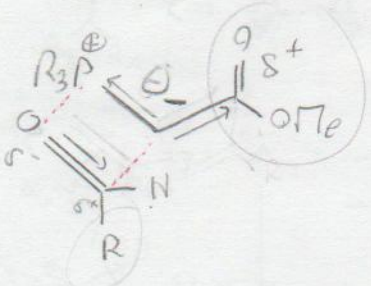
$\text{R}_2 =$ dérivé stéréox.
(You TD).

avec Li^+ : trans
sans Li^+ : cis

= Schlessen

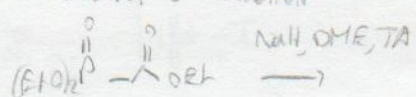
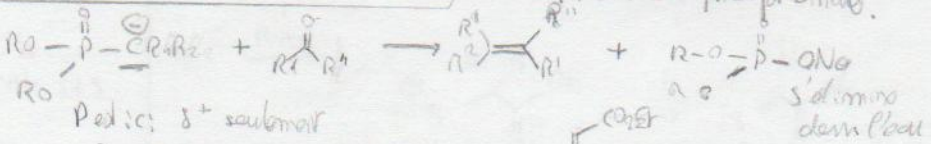


ylure stabilisé: barrière sup/supra < barrière sup/antiax.



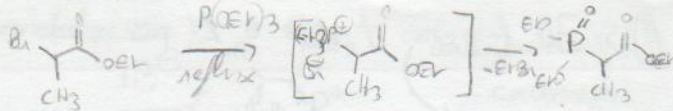
stabilisé \rightarrow conformation polaires et charge alignement des dipôles ms S/S

Réactions de Hammett-Wittmann-Emmons: U^{Li} : sel de phosphinate.



ms accepteurs de Michael.

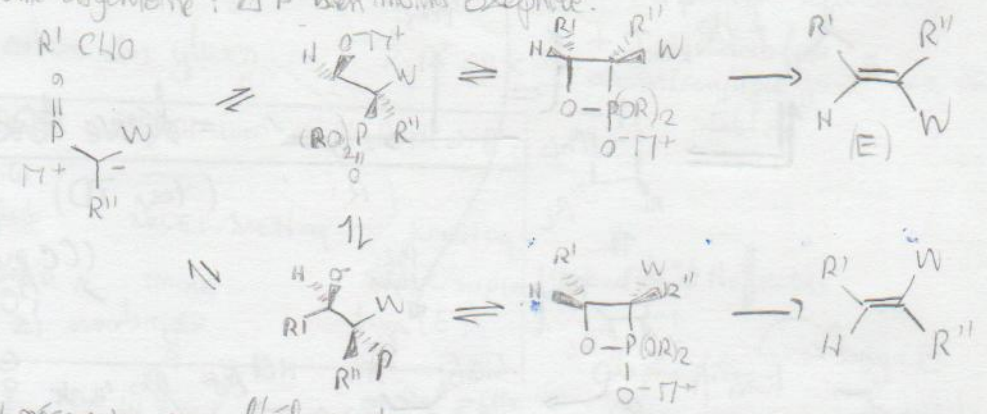
phosphate \rightleftharpoons phosphonate:



plus difficile à diesterifier que les bases que les plus Anbazel
 on peut alkyler avant HWE.
modèle ph. b!

Aspect stéréosel. produit (E) (E)

Mécanisme oxychrome: Δ P bien moins exophile.



W nécessaire pour l'élimination

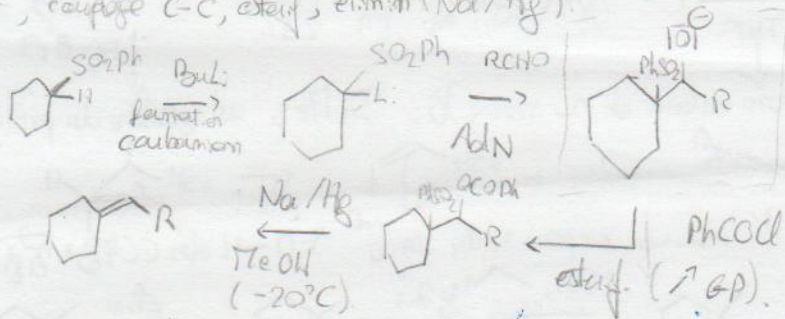
ratio. E:Z \nearrow qd T^\uparrow ; $T^\uparrow = \text{Li} > \text{Na} > \text{H}$; \nearrow α sub de l'aldéhyde.
 et ce qui \nearrow la réversibilité
 et encombrement \nearrow

Julia = soufre Peterson = Si.

SO₂Ph sulfone

Introduction aléfaction de Julia

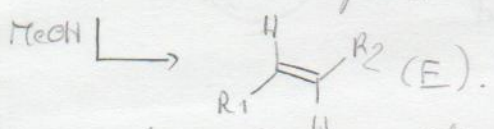
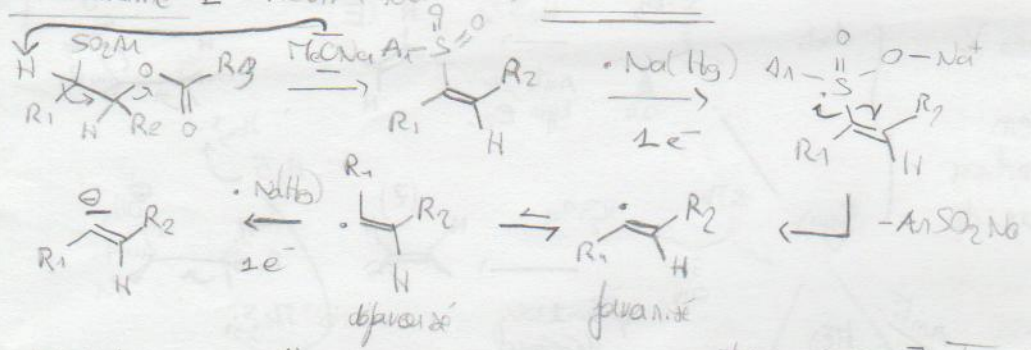
départ, coupage C-C, ester, élimin (Na/Hg).



E de PhSO₂ et PhCO₂.

principalement vers E.

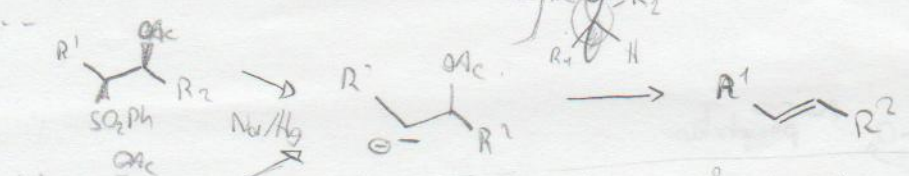
Mécanisme 1 MeOH + Nu \rightsquigarrow MeONa



(non stéréosp \Rightarrow \exists intermédiaire antiémergique)

Mécanisme 2

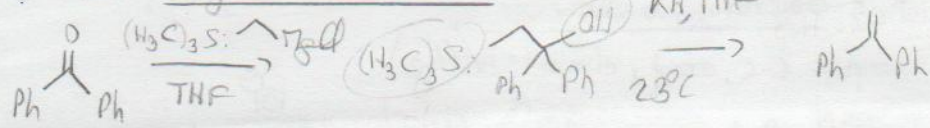
poly 3S: on élimine le sulfone \rightarrow radical
 obj. \leftarrow carbocation \leftarrow radical anion \leftarrow



sulfone - Kocienski \rightarrow \rightarrow
 Lybge \rightarrow \rightarrow
 rem. que avec un rétro-pont de smiles au milieu

Vous avez une -pot ?? Groupe R de la sulfone chois: peu jaunir on a ob dans la réaction.
 Vous pey et faible amesso. (ou acido).

Introduction aléfination de Poterson.

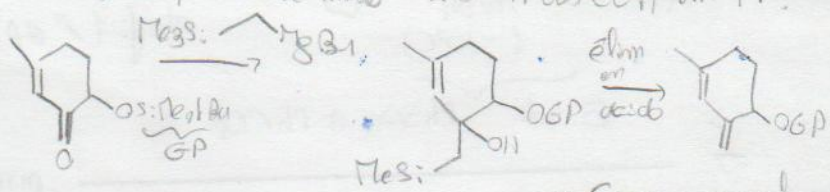


isotero = memo valoro et n memo X: Si Me3 est: resten du pieren.



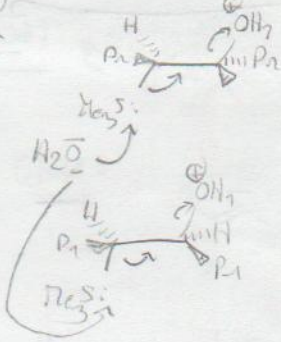
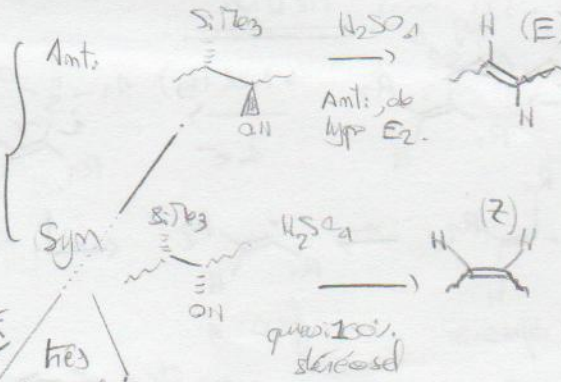
on peut rendre imuto S:O-H des CCM am TP.

interact.

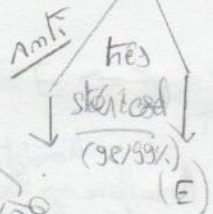


$\Rightarrow \text{C}=\text{C}$ exocycliq!

stereo X
 en milieu acido



KH



~ oua phosphitane.

