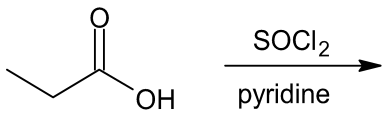
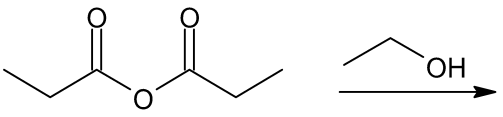
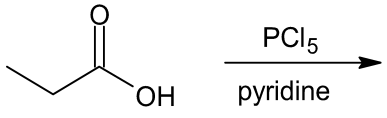
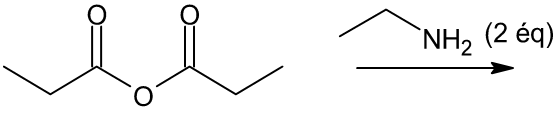
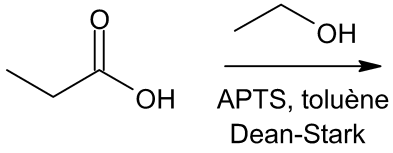
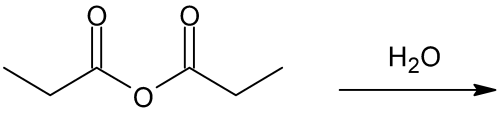
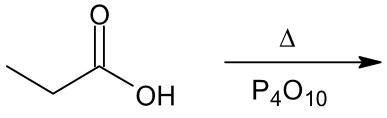
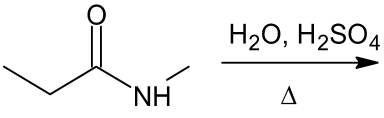
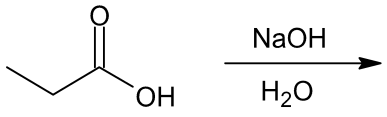
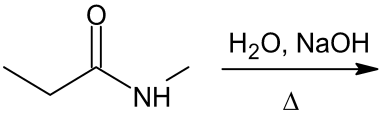
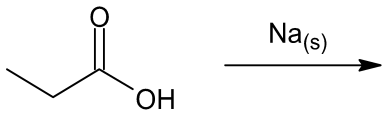
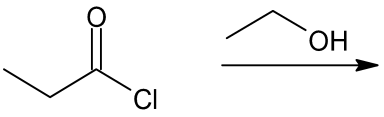
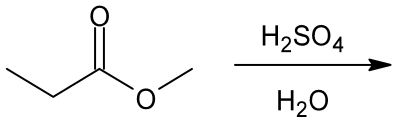
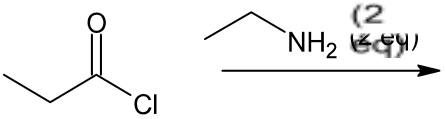
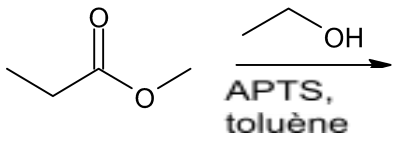
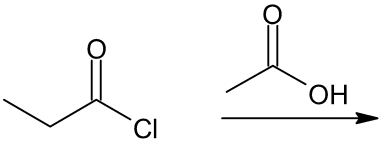
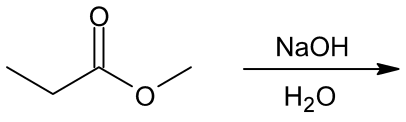
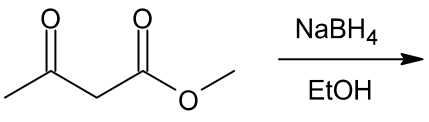
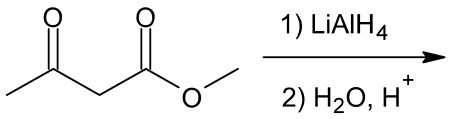
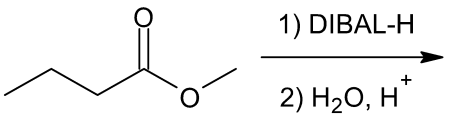
Soutien : Chimie organique – PCSI – Chapitre O_1, O_2 et O_3

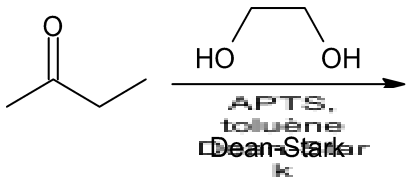
	
	
	
	
	
	
	
	

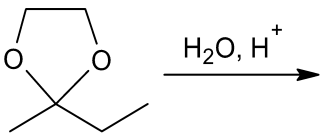

NaOH
H2O

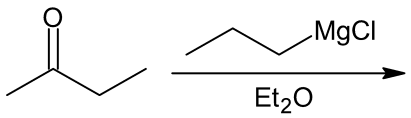

NaBH4
EtOH

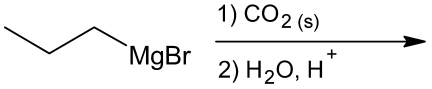

1) LiAlH4
2) H2O, H+

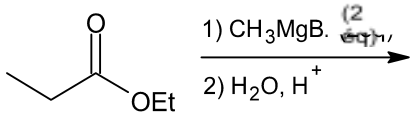

1) DIBAL-H
2) H2O, H+

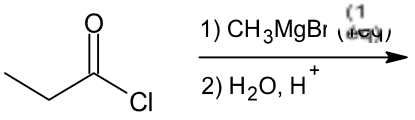

HO
OH
APTS,
toluène
Dean-Stark

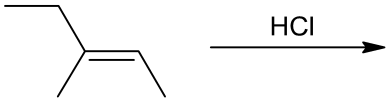
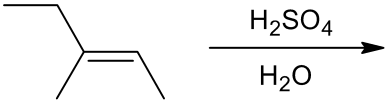
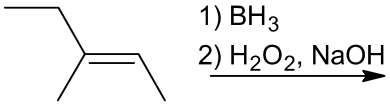
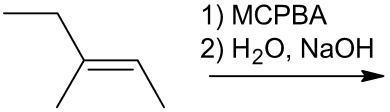
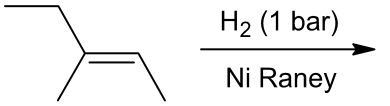
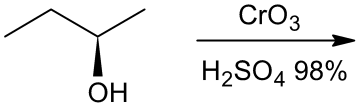
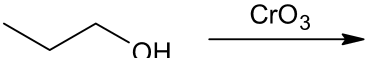
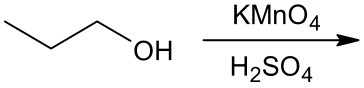
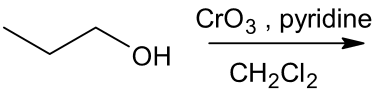
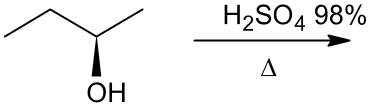
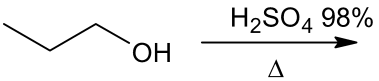
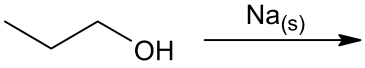
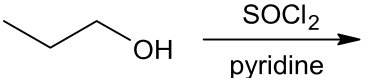

H2O, H+

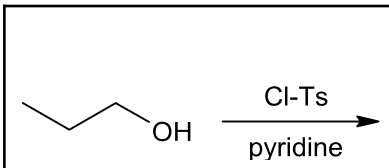

MgCl
Et2O

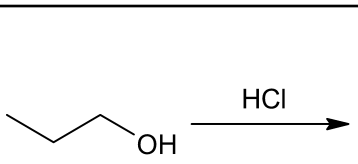

MgBr
1) CO2 (s)
2) H2O, H+

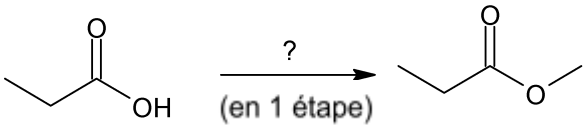

OEt
1) CH3MgB.
2) H2O, H+

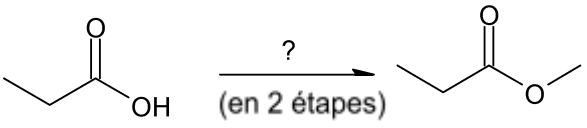

Cl
1) CH3MgBr
2) H2O, H+

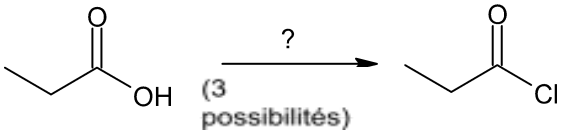
 HCl	 H_2SO_4 H_2O
 1) BH_3 2) H_2O_2, NaOH	 1) MCPBA 2) H_2O, NaOH
 H_2 (1 bar) Ni Raney	 O 1) CH_3MgBr 2) H_2O, H^+
 OH CrO_3 H_2SO_4 98%	 OH CrO_3 H_2SO_4 98%
 OH $KMnO_4$ H_2SO_4	 OH CrO_3 , pyridine CH_2Cl_2
 OH H_2SO_4 98% Δ	 OH H_2SO_4 98% Δ
 OH $Na_{(s)}$	 OH $SOCl_2$ pyridine

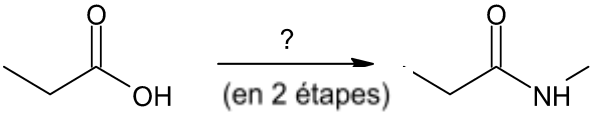

OH
Cl-Ts
pyridine

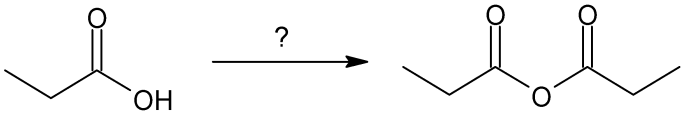

OH
HCl

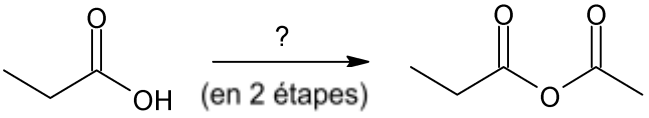

O
OH
?
(en 1 étape)
O
O

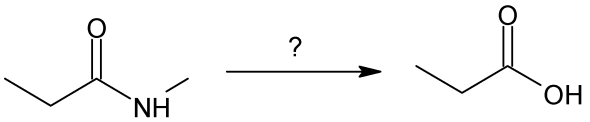

O
OH
?
(en 2 étapes)
O
O

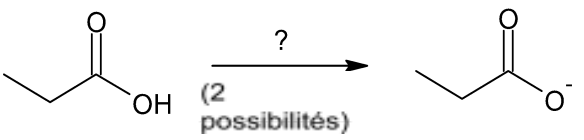

O
OH
?
(3
possibilités)
O
Cl

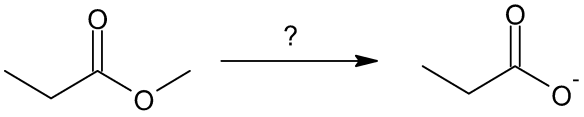

O
OH
?
(en 2 étapes)
O
NH

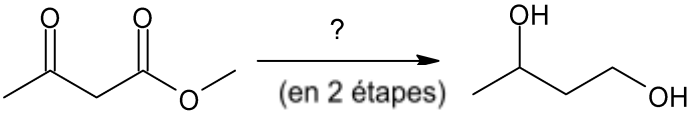

O
OH
?
O
O

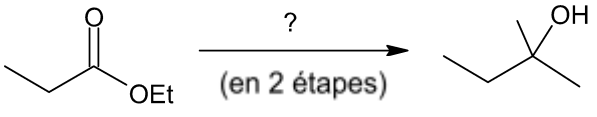

O
OH
?
(en 2 étapes)
O
O

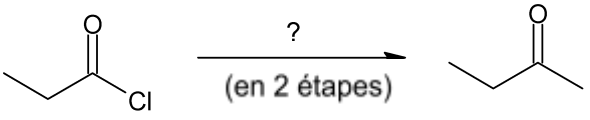

O
NH
?
O
OH

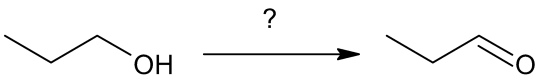

O
OH
?
(2
possibilités)
O
O-

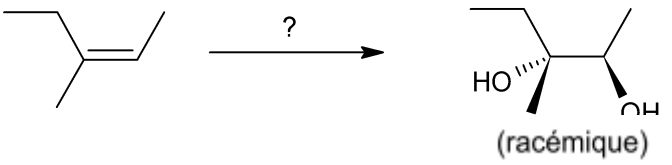

O
O
?
O
O-


O
O
O
?
(en 2 étapes)
OH
OH


O
OEt
?
(en 2 étapes)
OH


O
Cl
?
(en 2 étapes)
O


OH
?
O


?
HO
OH
(racémique)