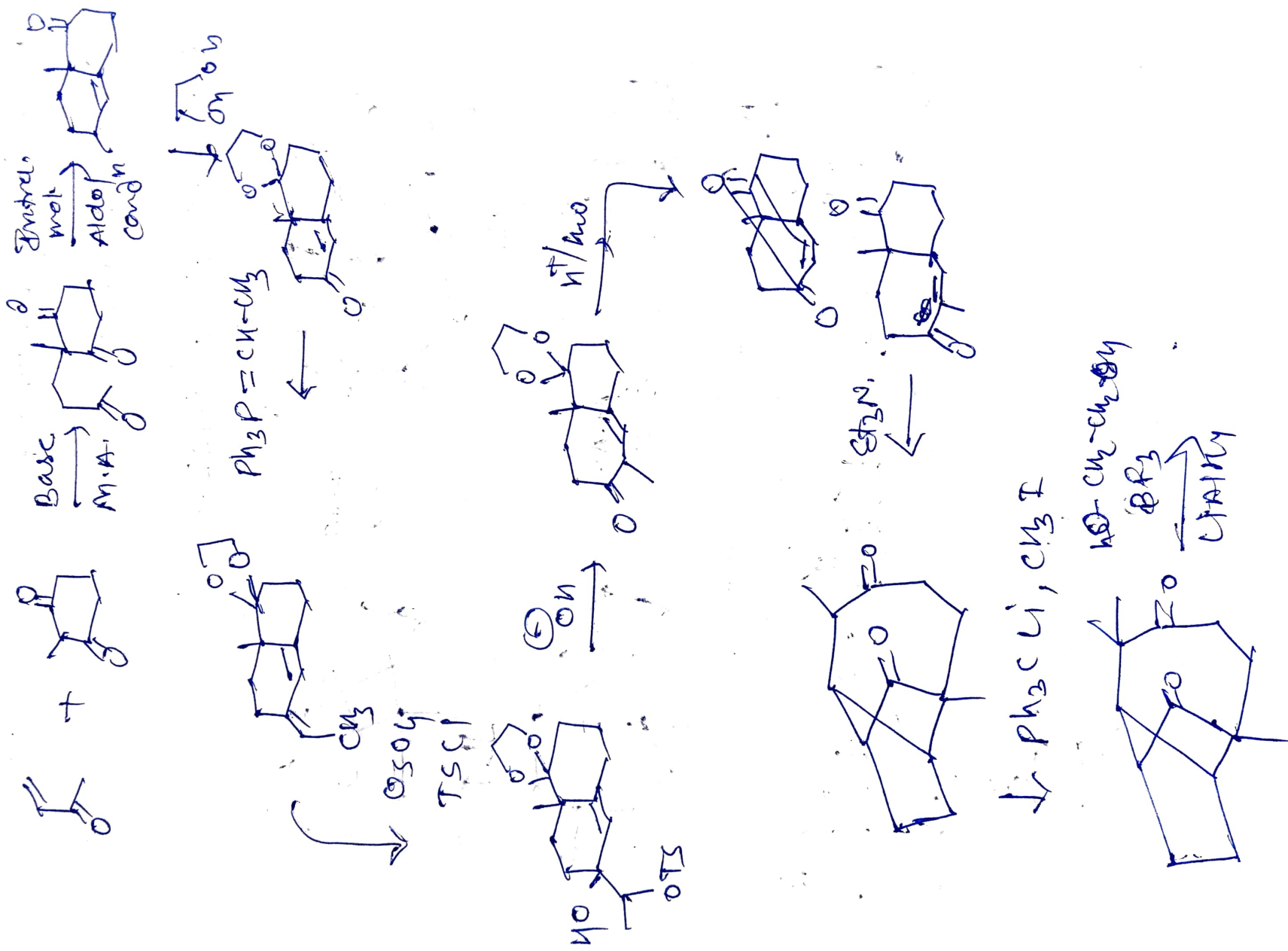
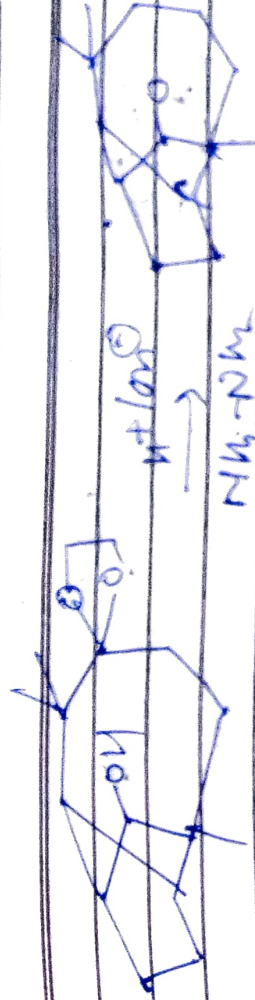


Synthesis



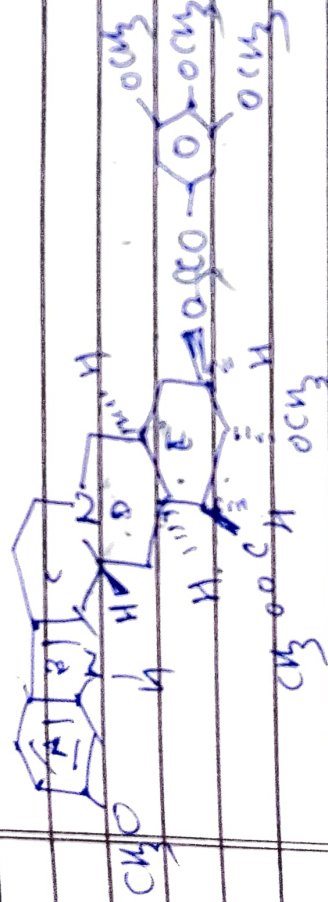


W.K.R. $\downarrow$ $K_2Cr_2O_7$

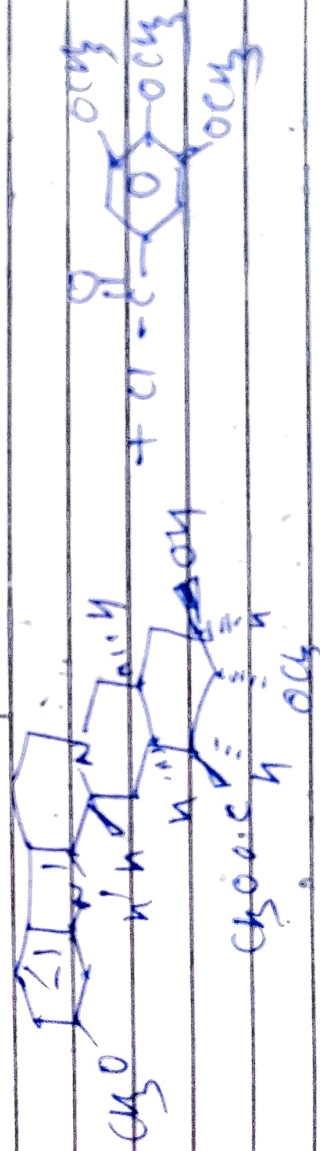
CH_3LiAlH_4

T.M.

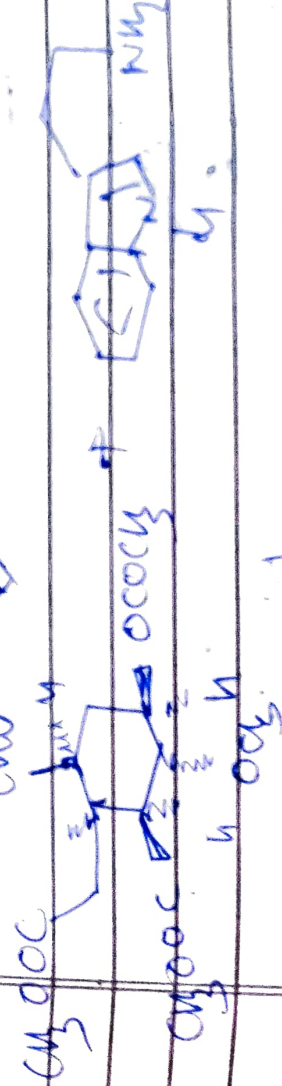
Reserpine



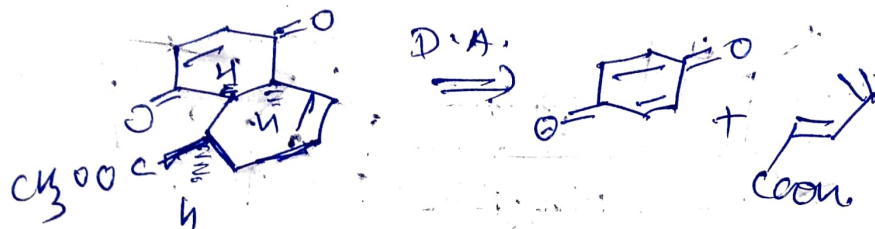
$\uparrow$ $\downarrow$ $C-O$



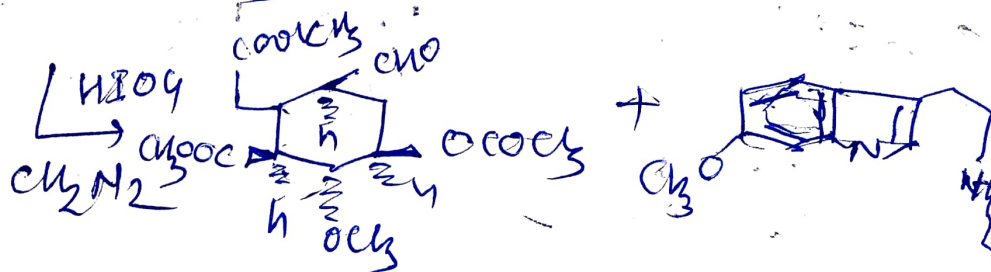
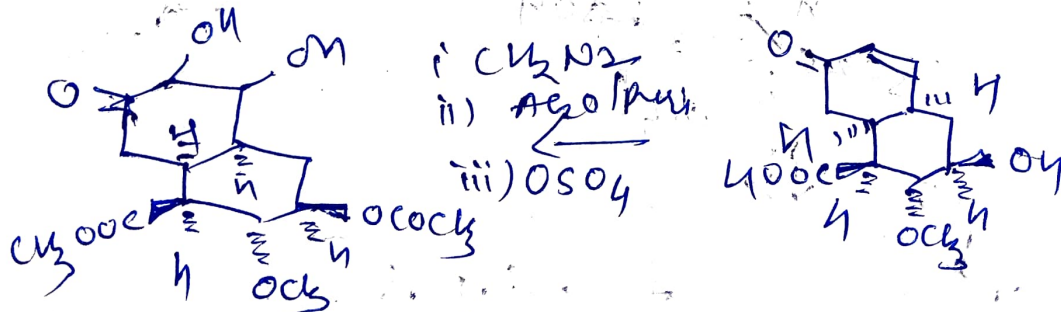
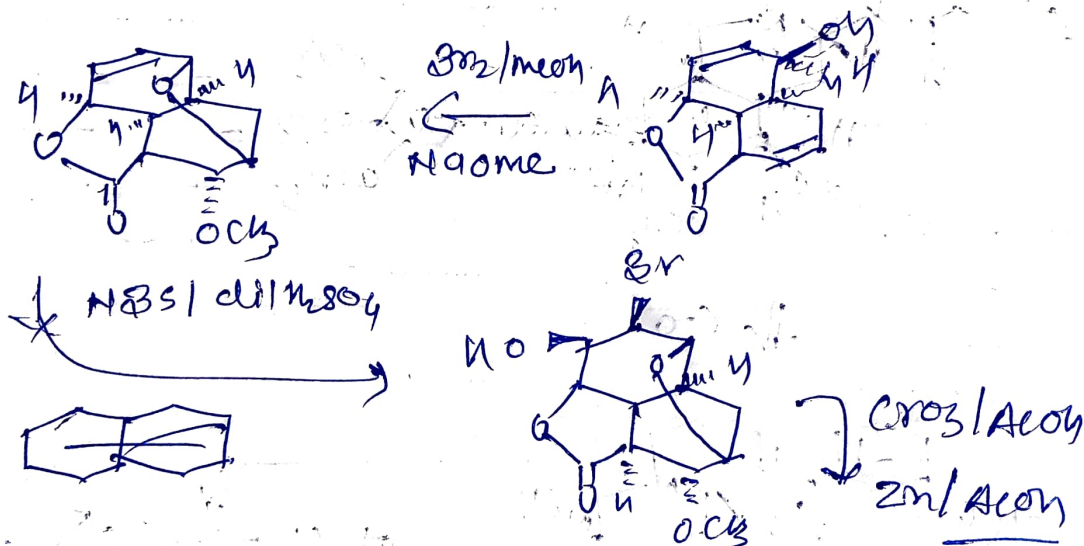
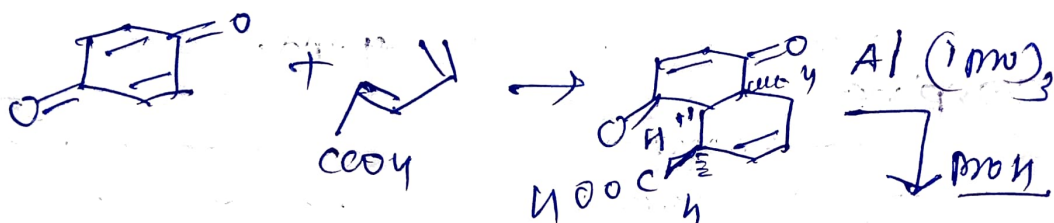
$\uparrow$ $\downarrow$ $C-O$

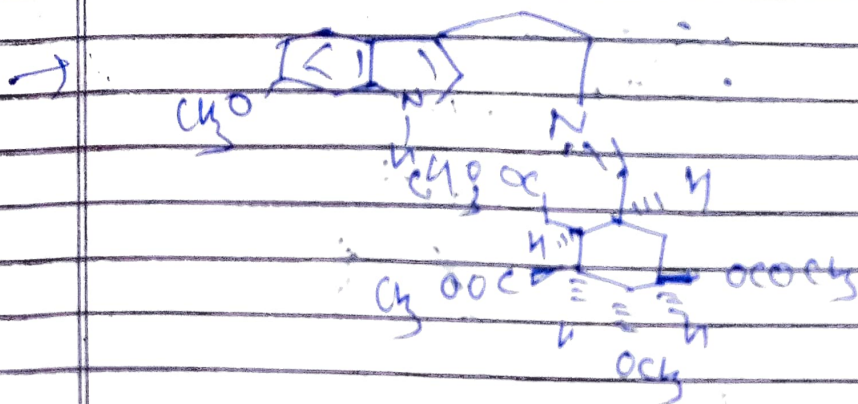


$\uparrow$ $\downarrow$ $C-O$

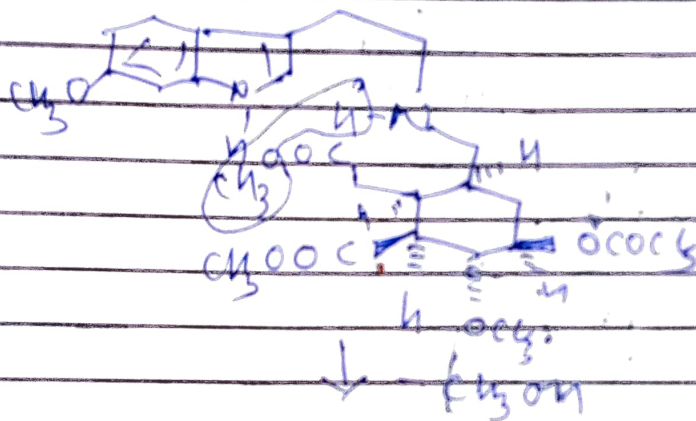


Synthesis

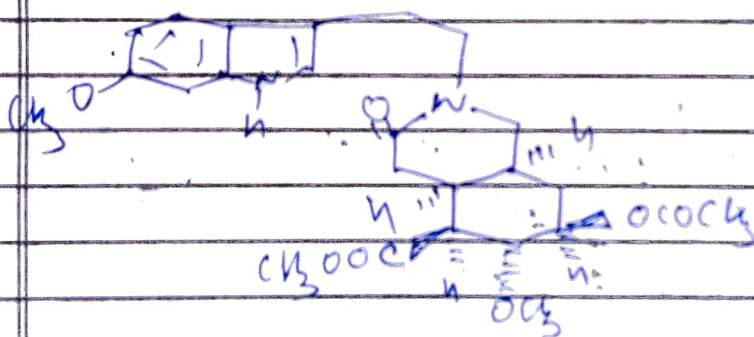




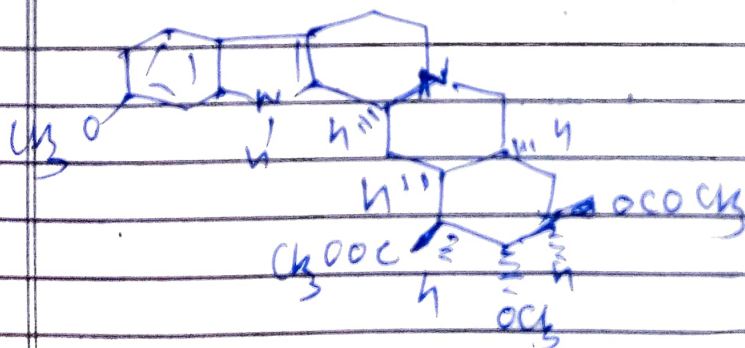
↓ $\text{NaBH}_4/\text{MeOH}$



↓ EtOH



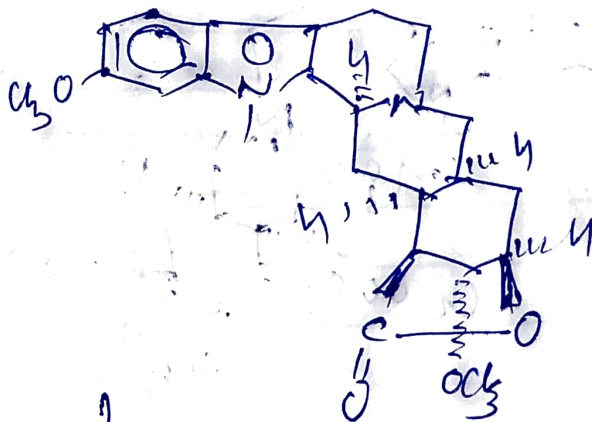
↓ POCl_3 99% NaBH_4



KOH/MeOH

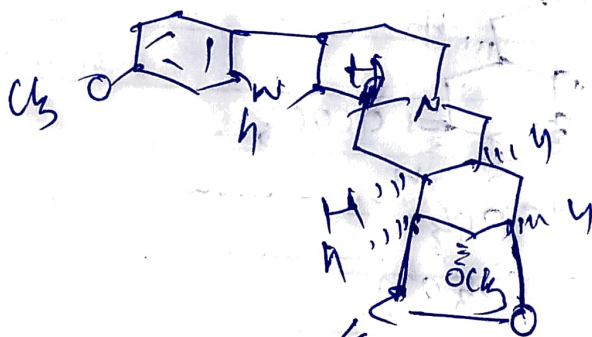
$\xrightarrow{HCl}$

PhCCl₃/pyridine

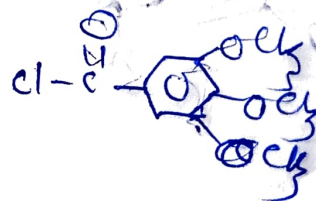
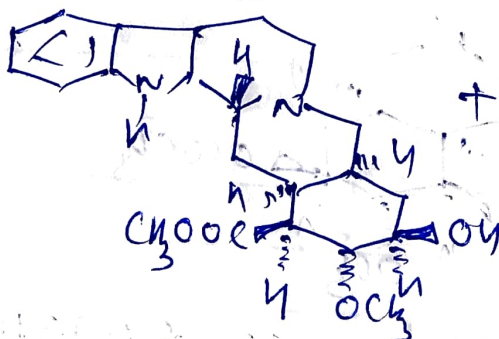


↓ pivalic acid

↗ MeOH
epimerization



↓ MeOH



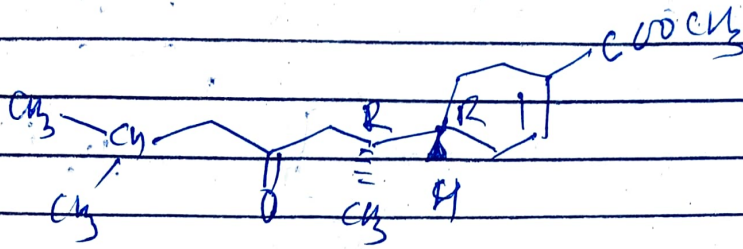
↓ Base

T.M.

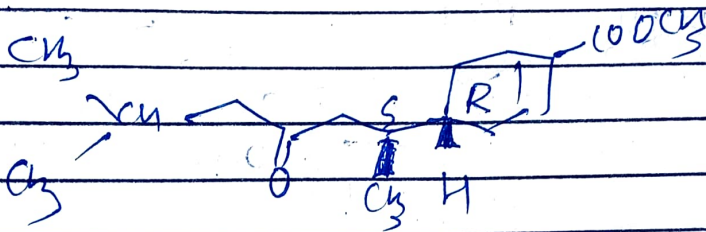
10:00 to 10:50 pm

Date: 7/06/2021

Synthesis Tullabione

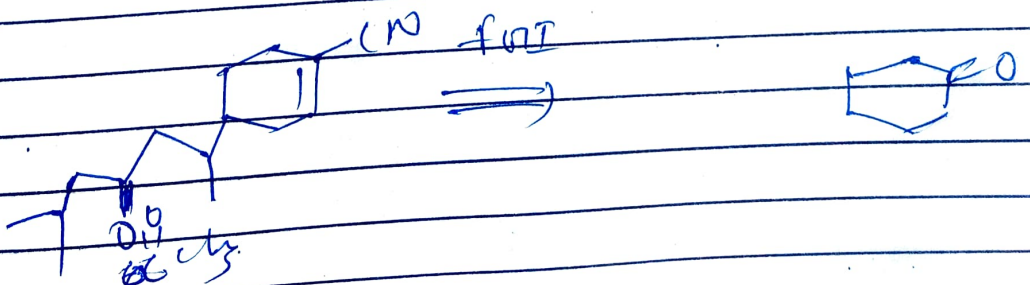
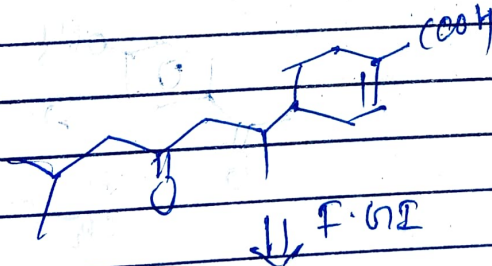
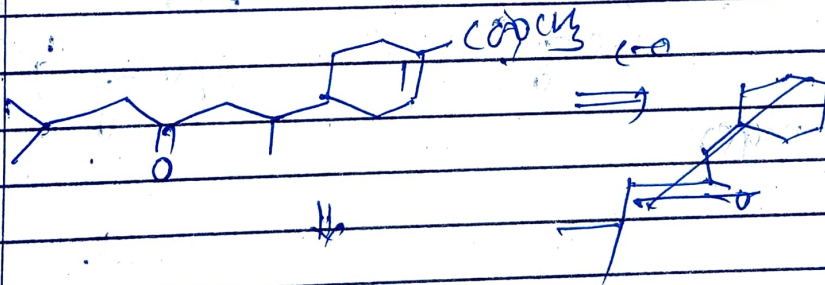


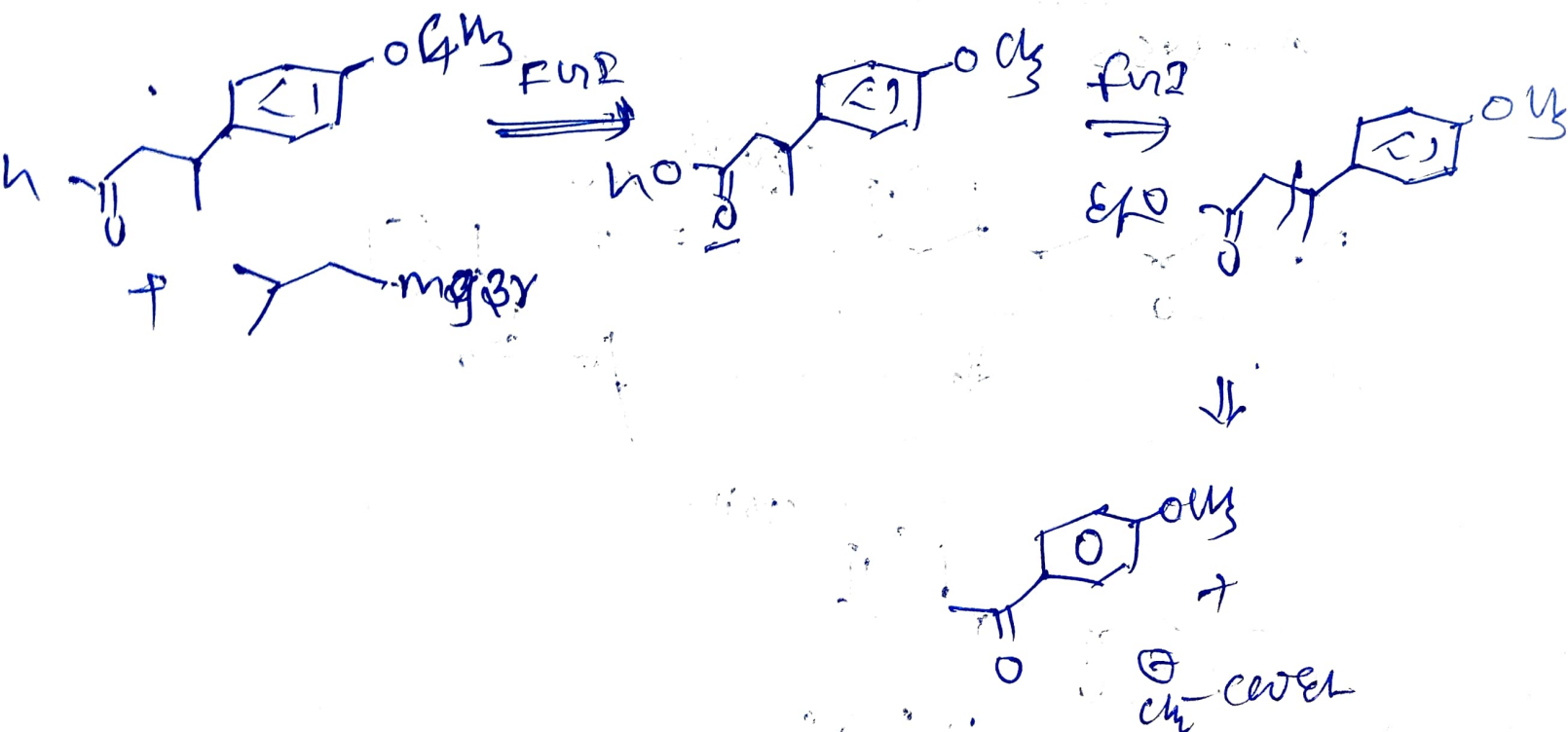
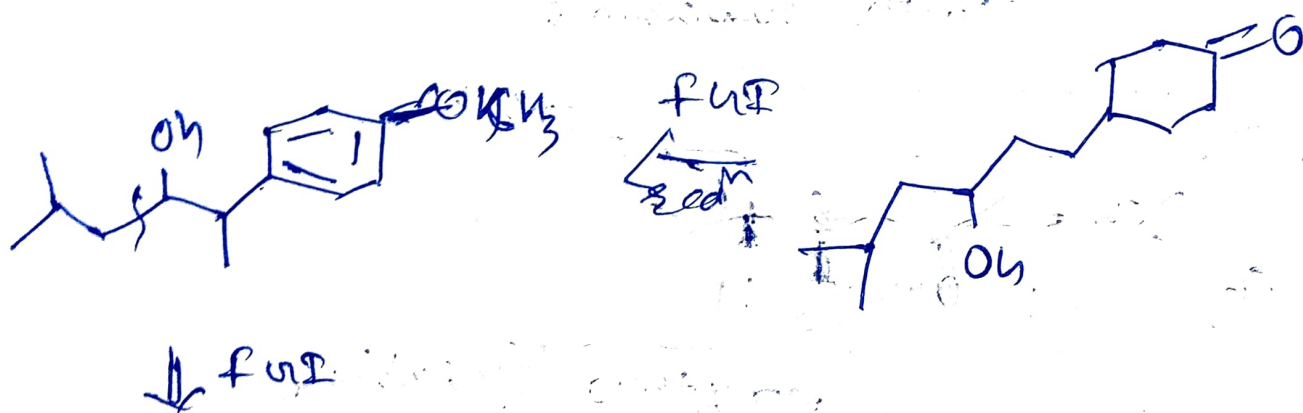
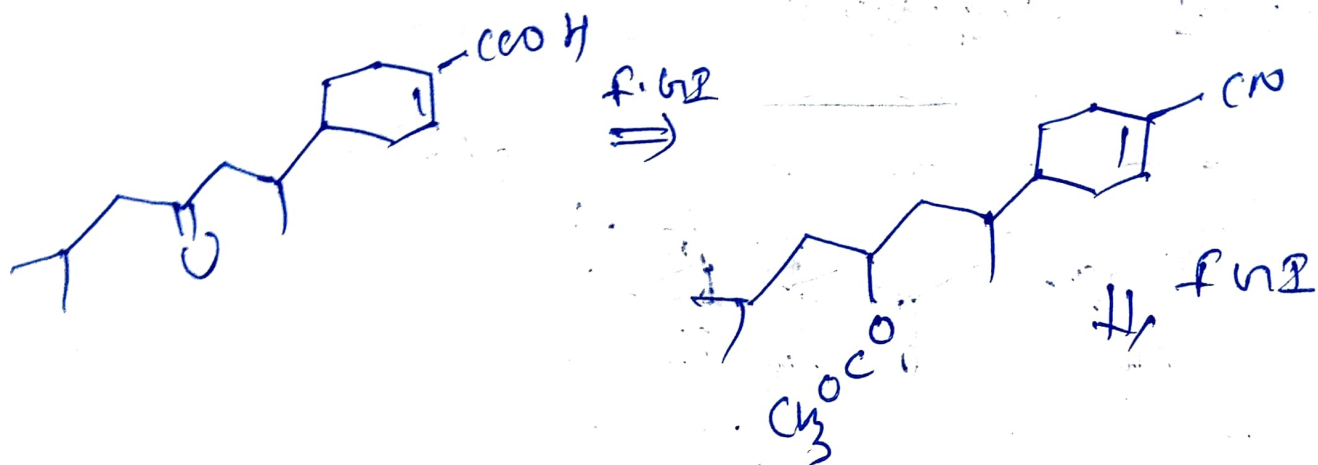
threo Tullabione



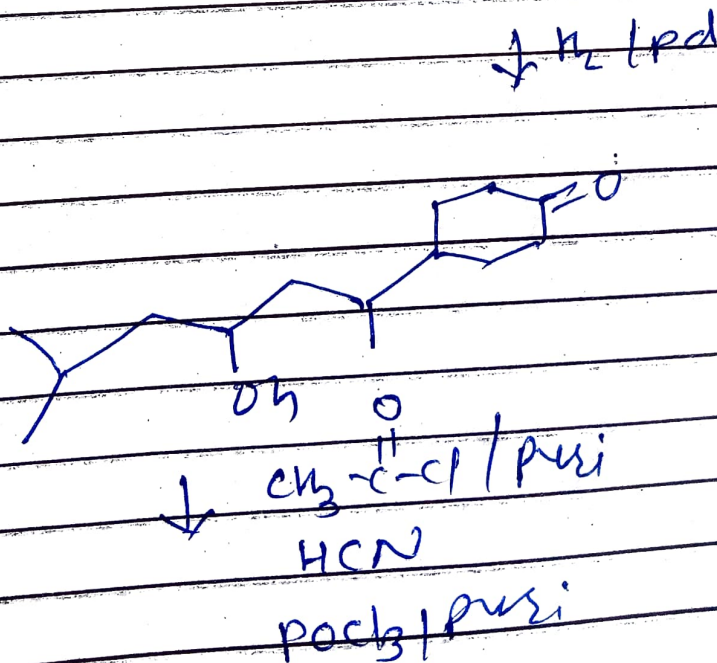
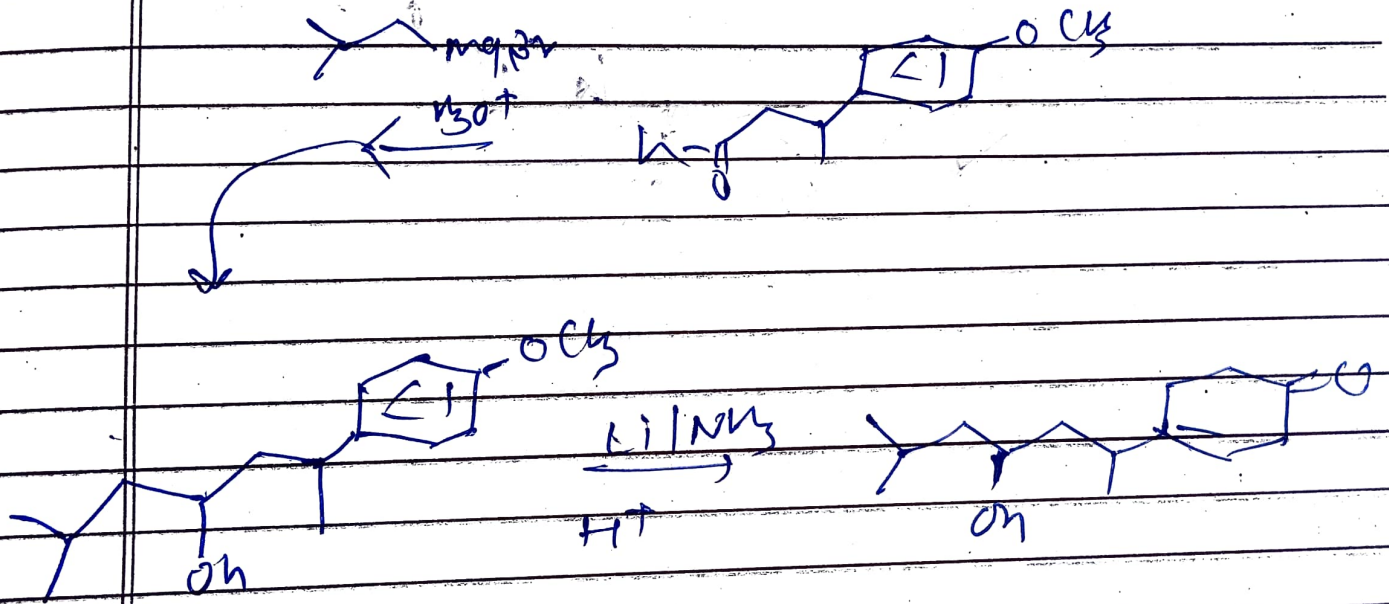
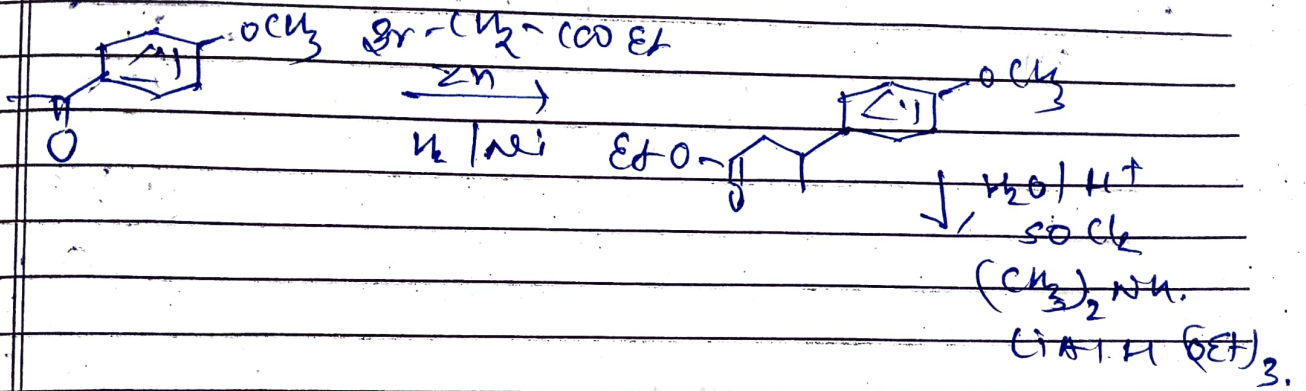
erythro Tullabione

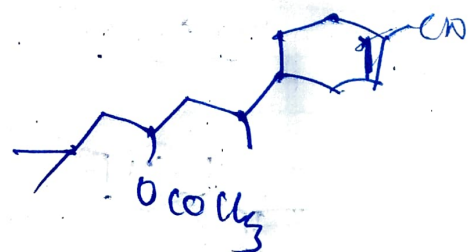
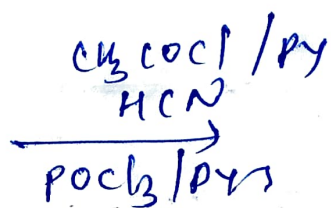
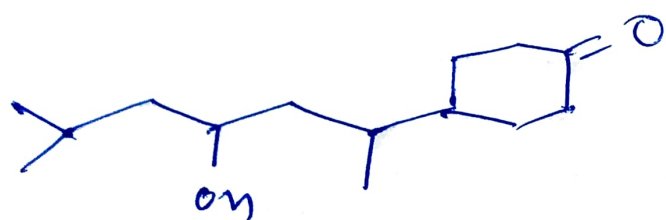
Analysis



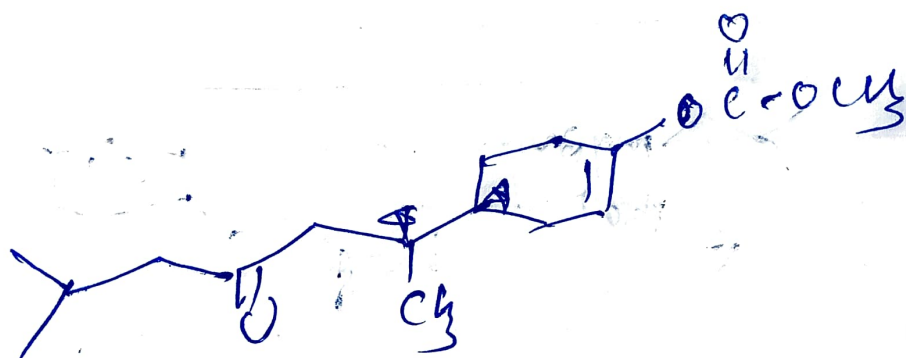


Synthesis



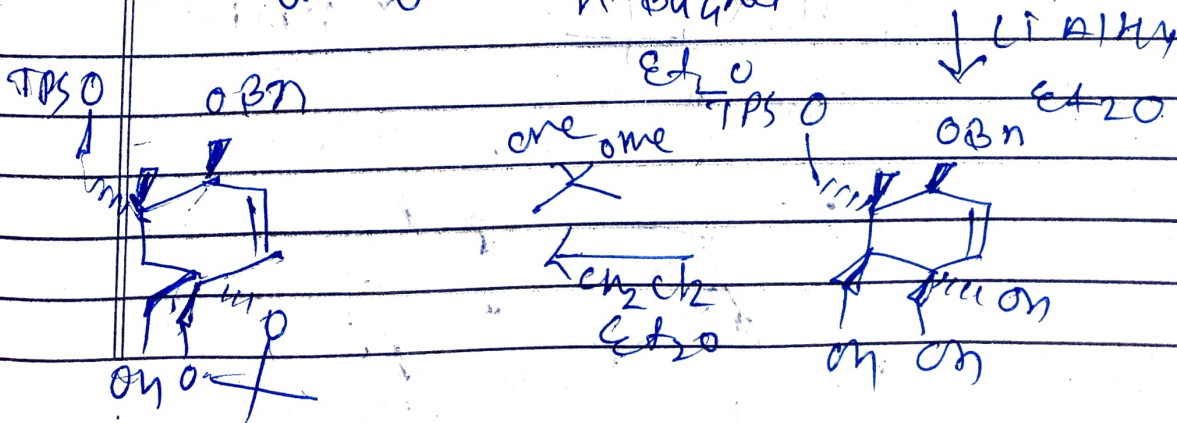
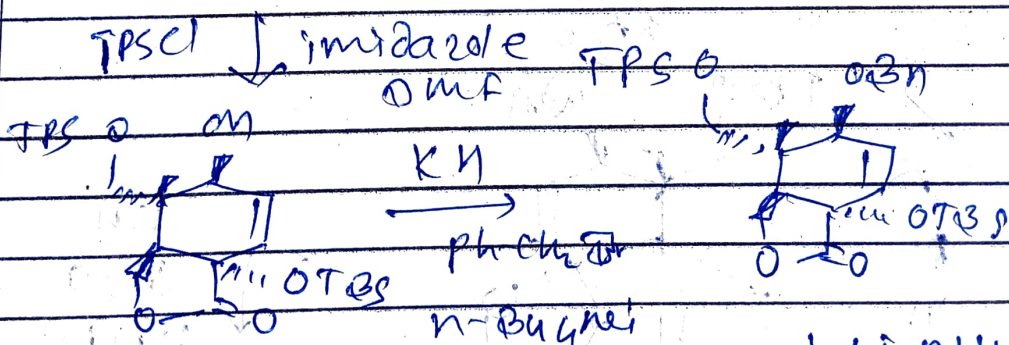
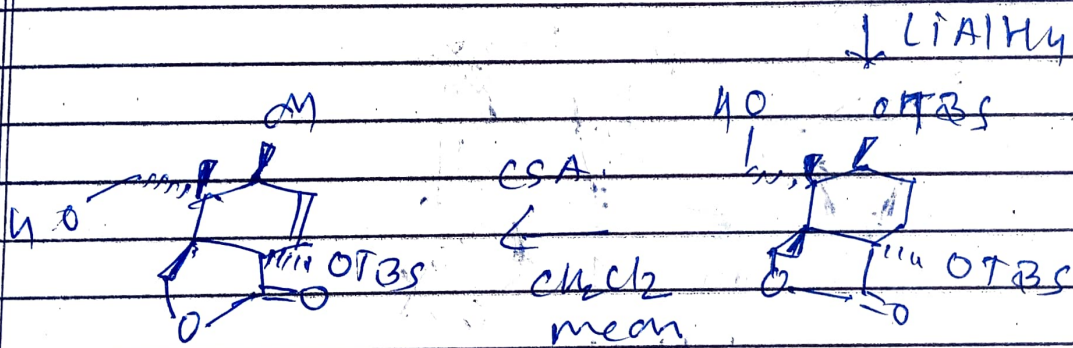
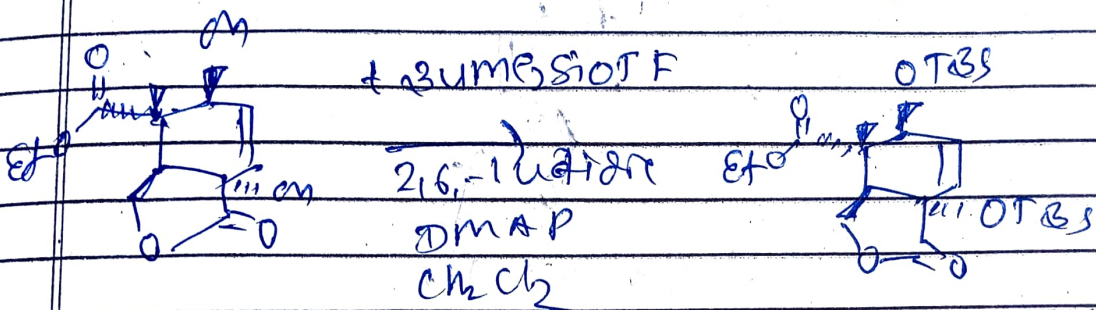
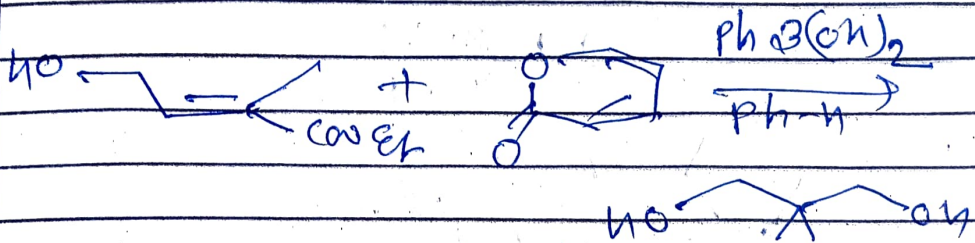


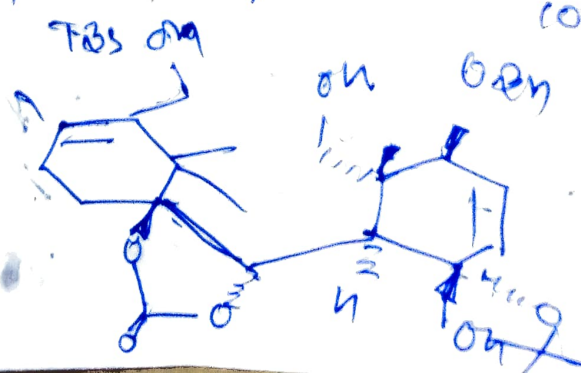
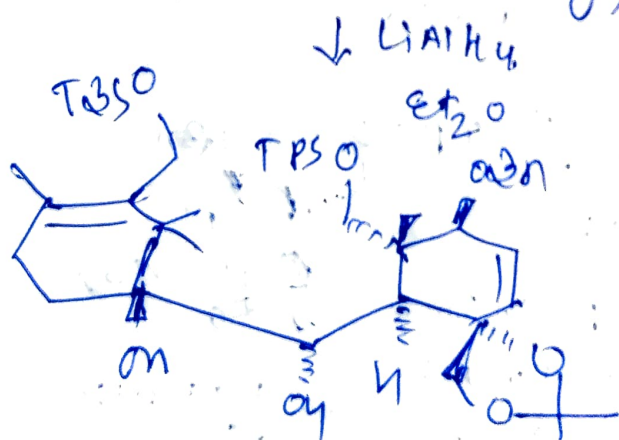
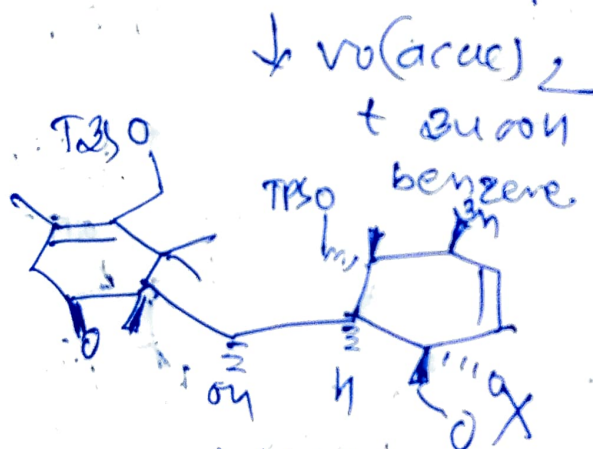
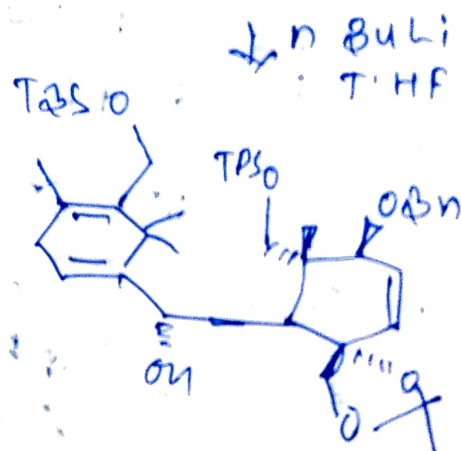
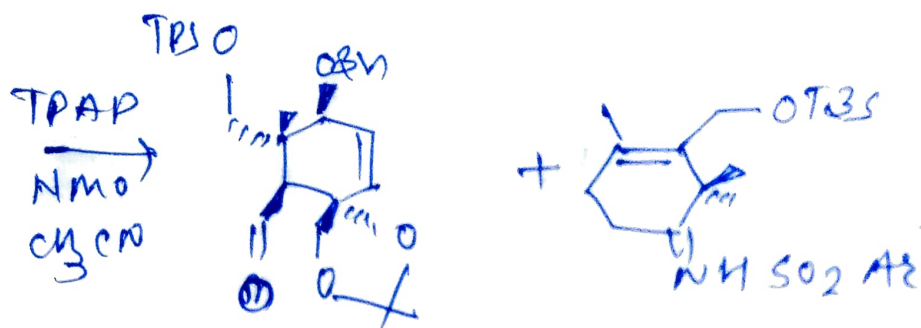
↓ 2 en
 separation
 distillation
CH_3CH_2



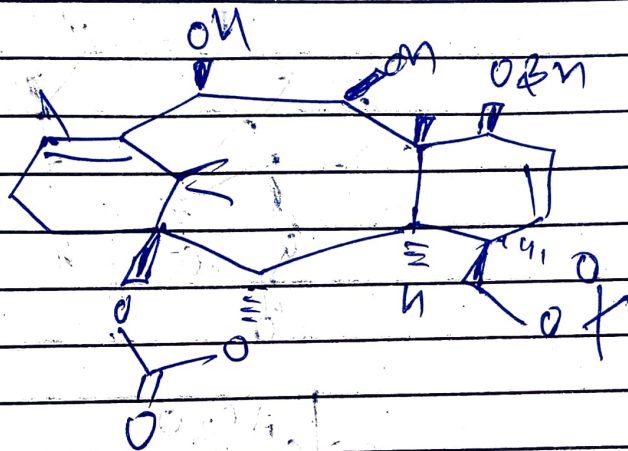
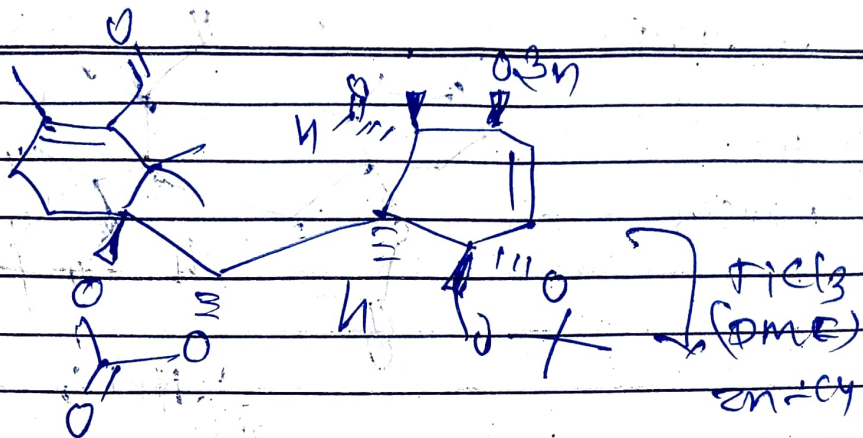
Synthesis of Taxol

Synthesis

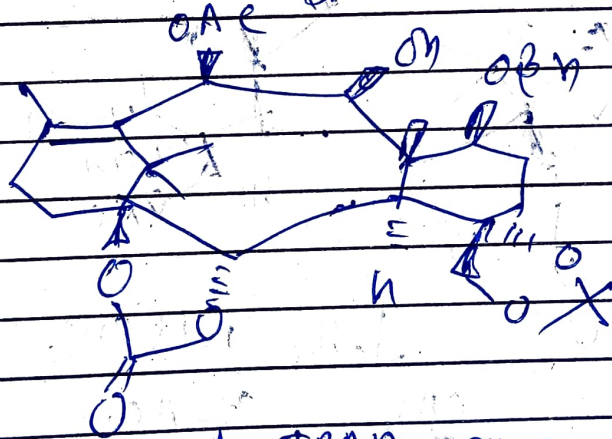




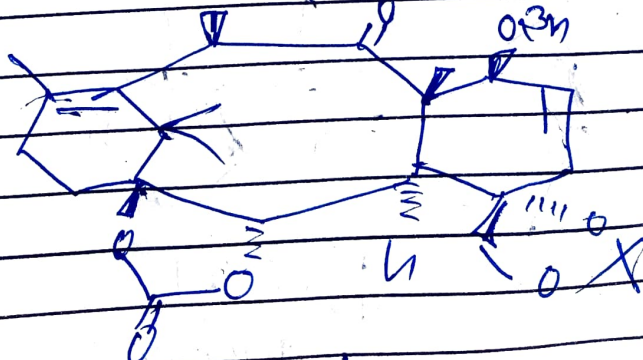
TPAP
NMO
CH₃CO
CH₂CH₂



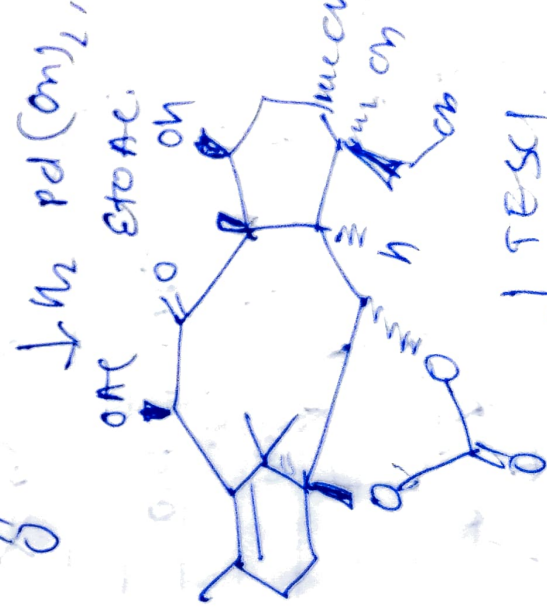
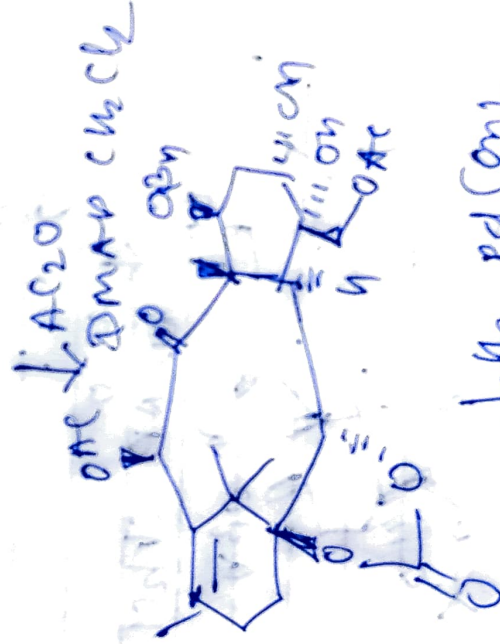
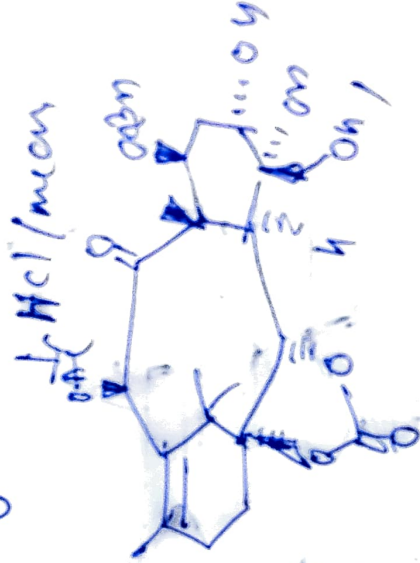
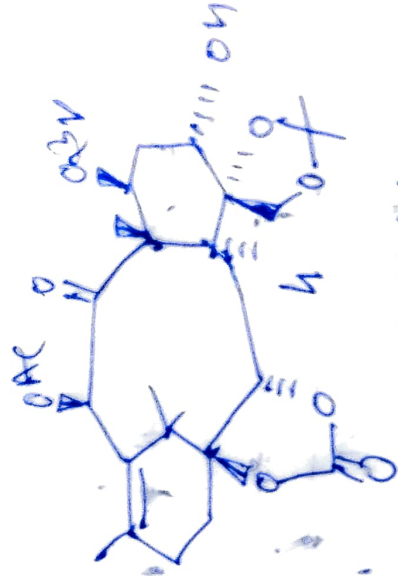
↓ Al₂O₃
OMAP CH₂CH₂



↓ TPAP, NMO
CH₃CO

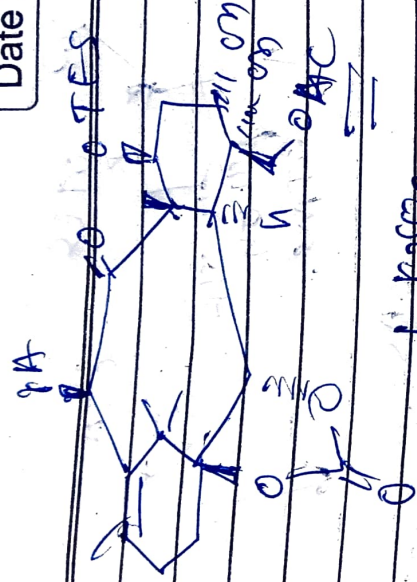


$\text{Bn}_3\text{Li} \cdot \text{THF}$
 $\xrightarrow{\text{H}_2\text{O}_2}$
 NaHCO_3



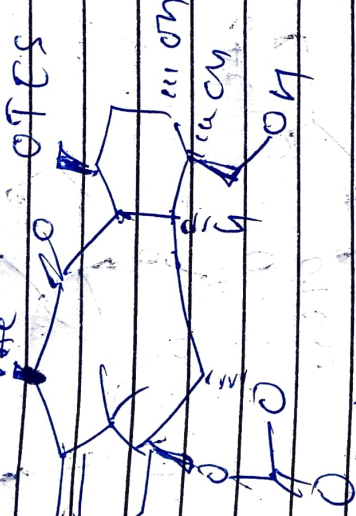
$\xrightarrow{\text{TESI}}$
 24Rim

Date: / / 20



↓ K₂CO₃

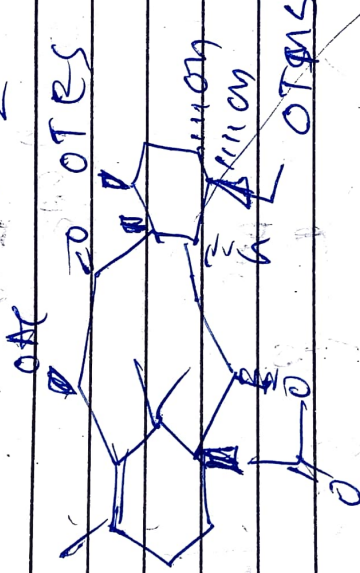
Ac



↓ TMSCl

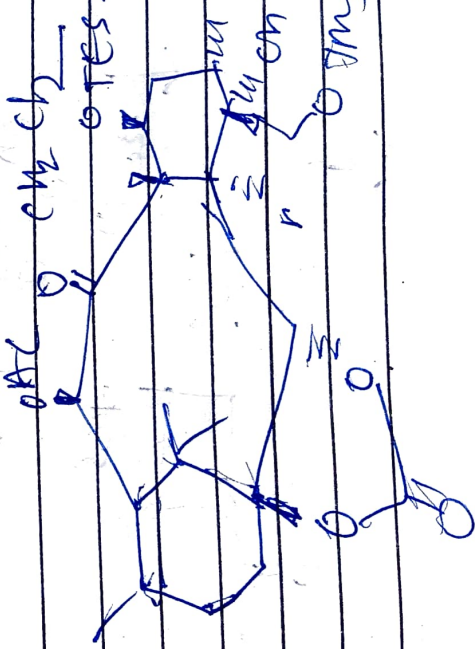
DMF

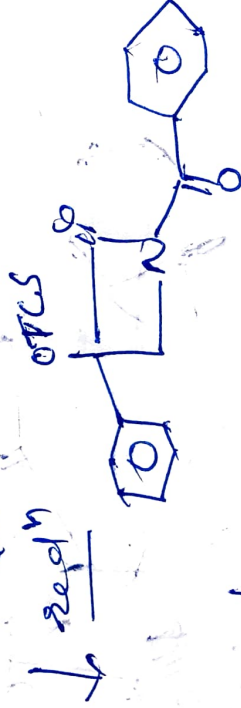
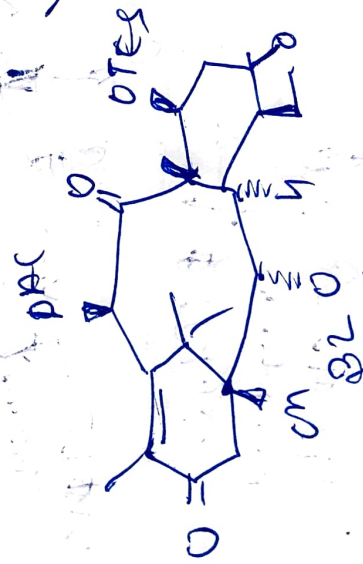
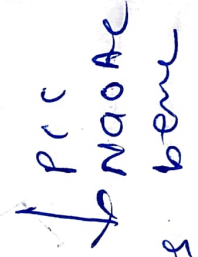
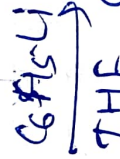
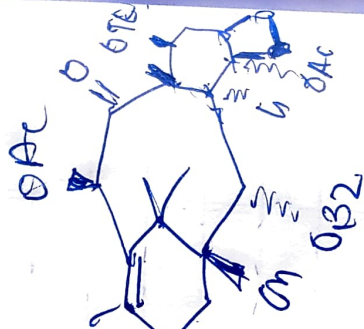
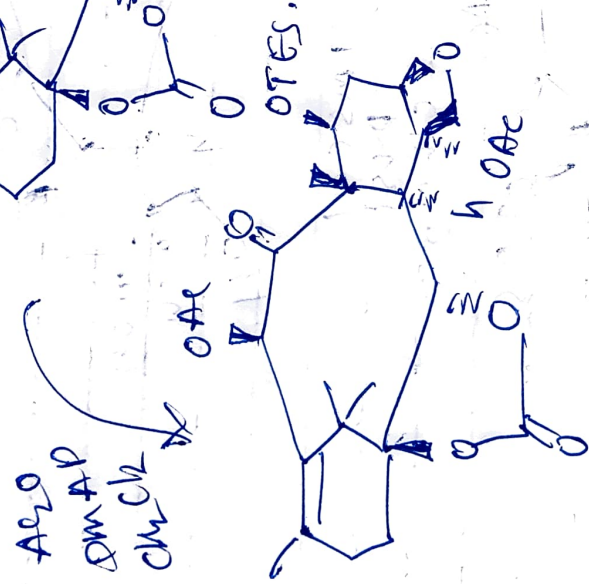
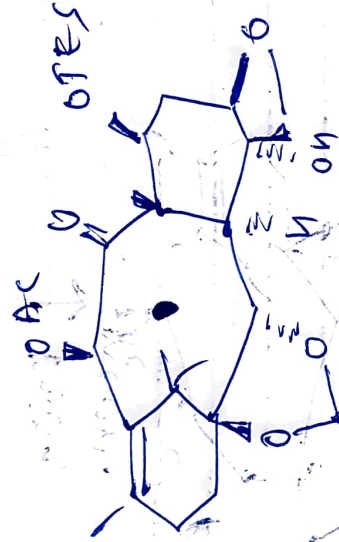
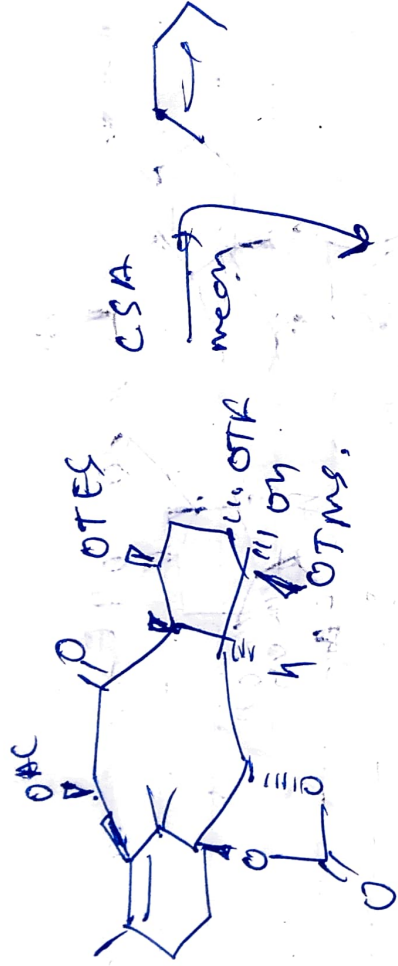
CH₂Cl₂



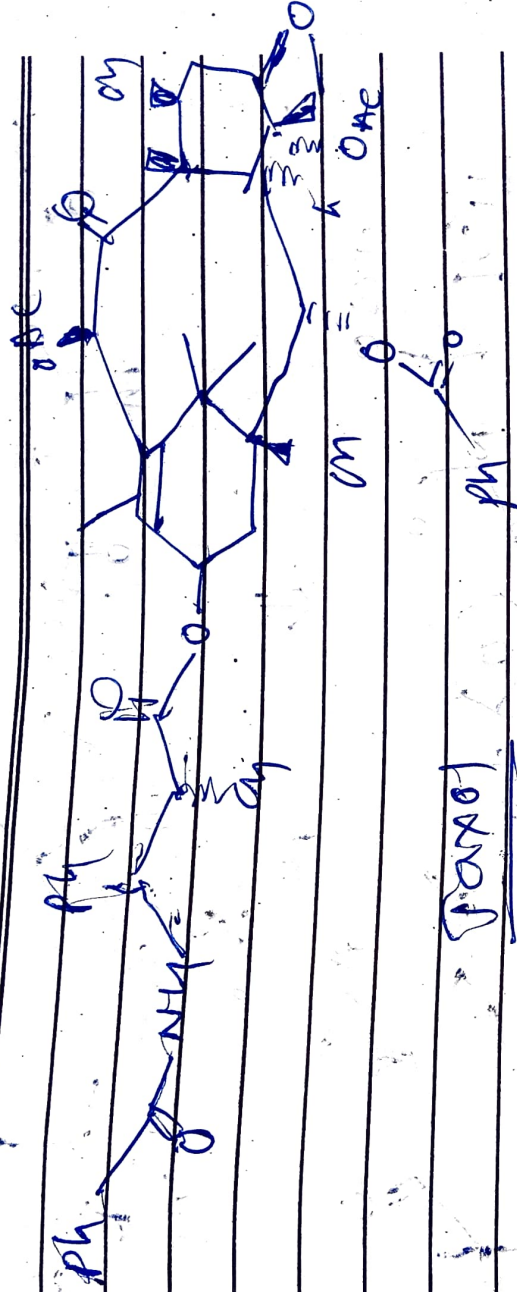
↓ Tf₂O

DMAP





Date: / /20



Analysis of TCMX01

