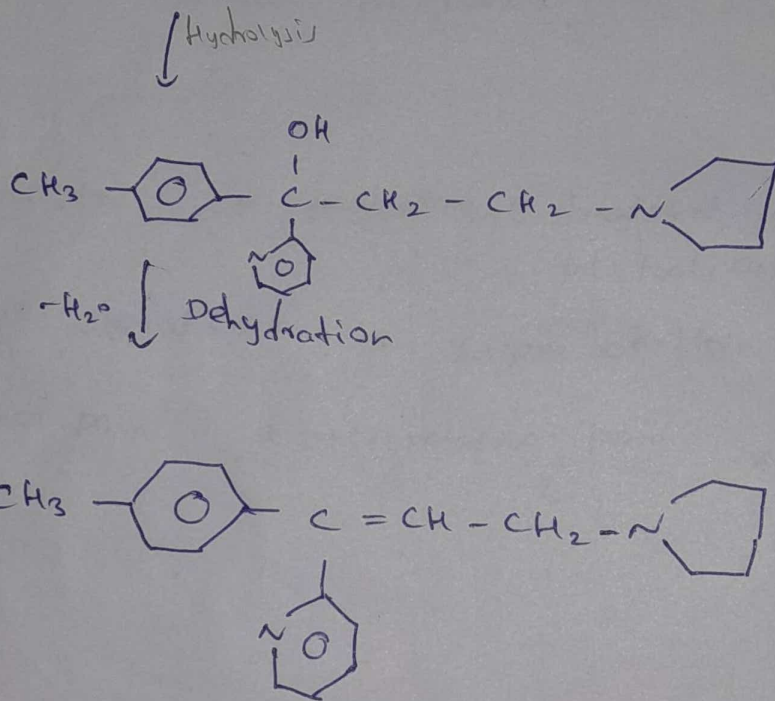
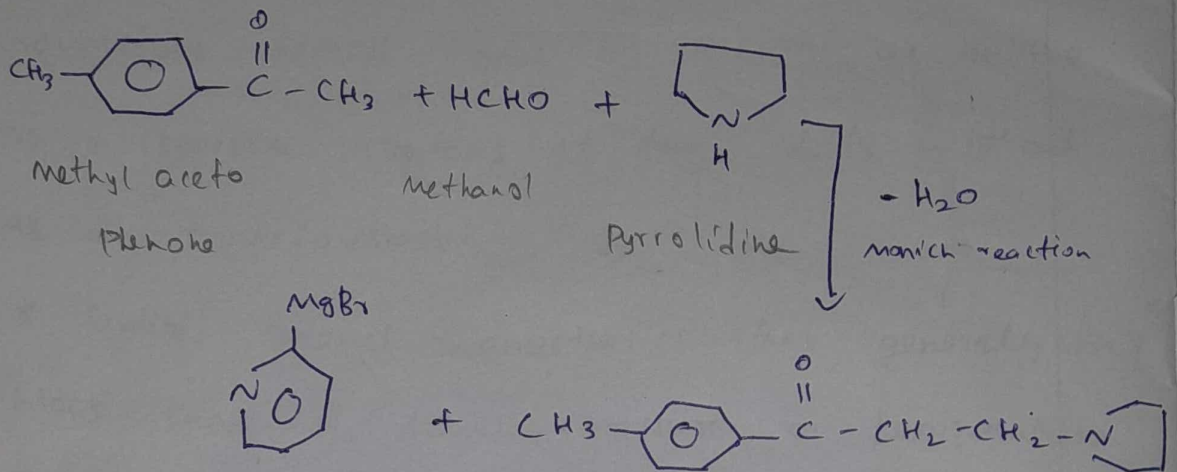


# 1. Triprolidine hydrochloride



Triprolidine  $\cdot$

+ HCl

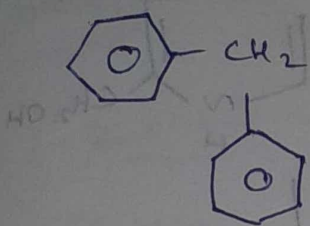
→ Uses:

It is used to allergic reaction

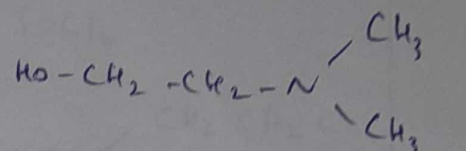
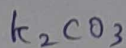
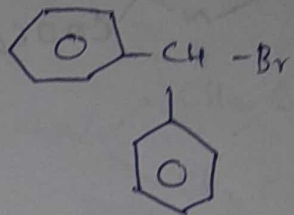
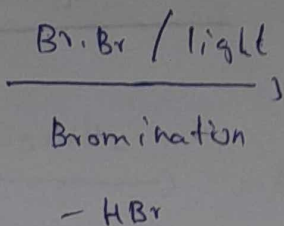
used to common cold

It is a antihistamine drug

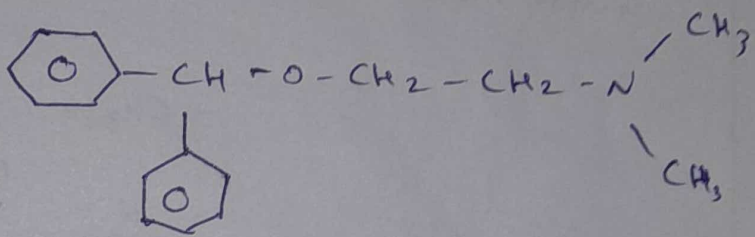
2. Diphenhydramine hydrochloride :



Diphenyl methane



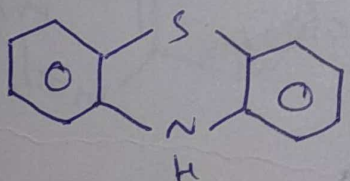
Dimethyl amino ethanol



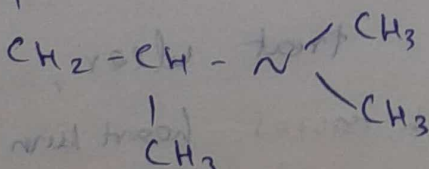
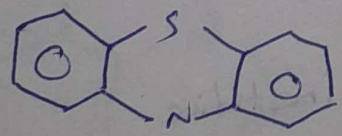
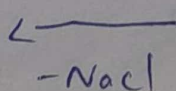
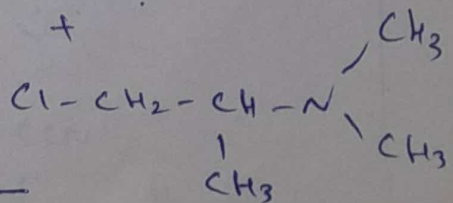
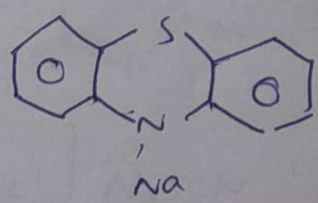
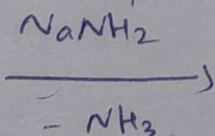
Diphenhydramine hydrochloride

uses: Same as Triprolidine HCl

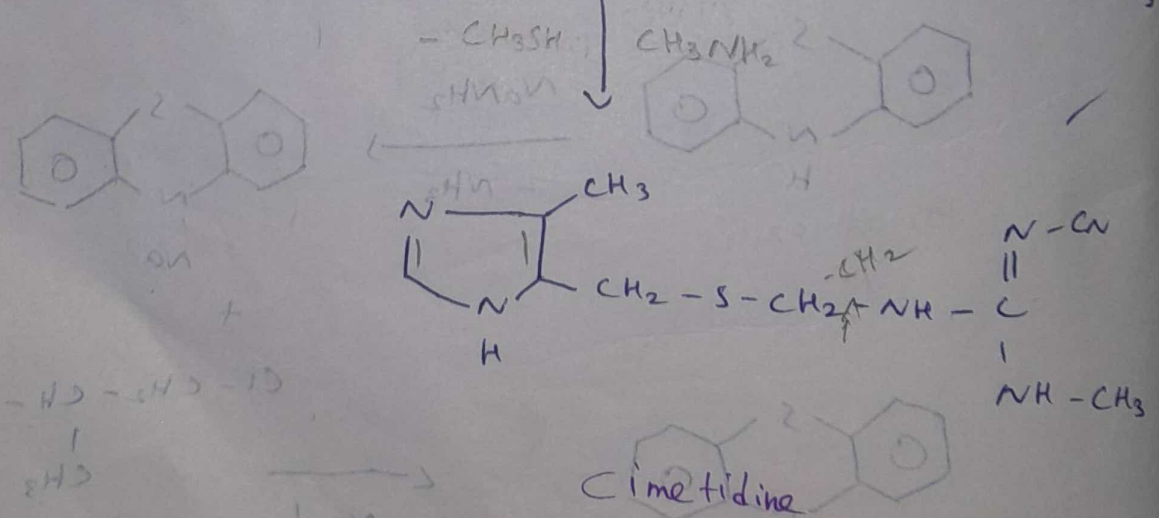
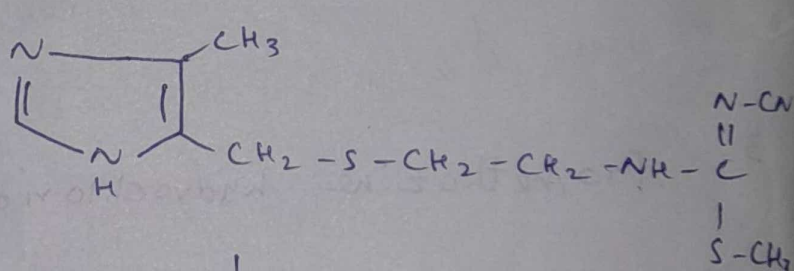
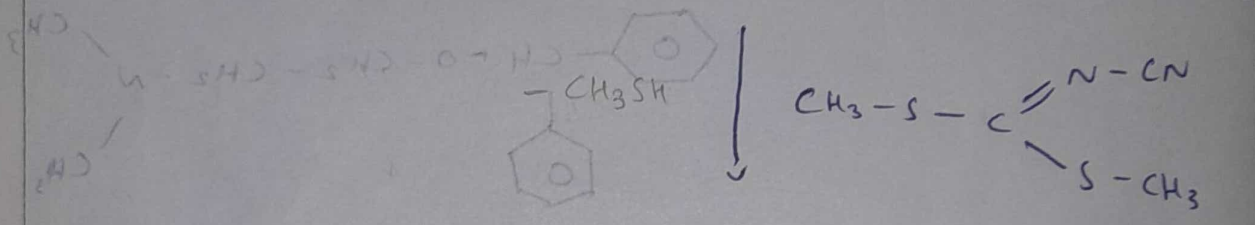
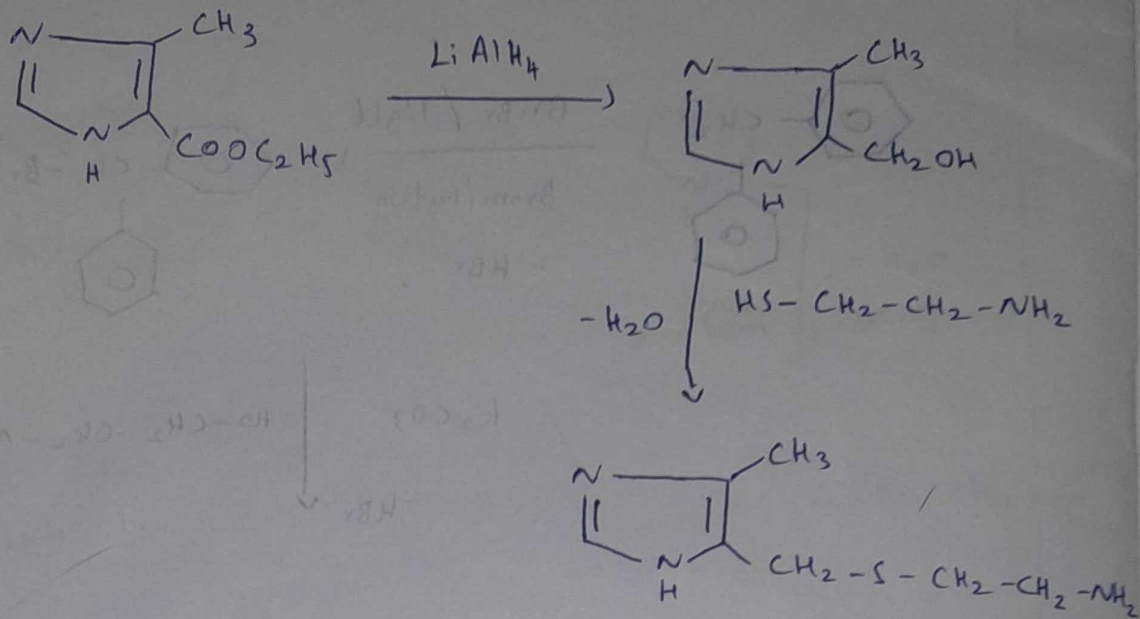
3. Promethazine hydrochloride



Phenothiazine

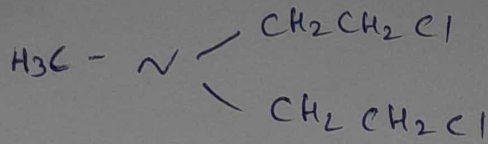


# 4. Cimetidine

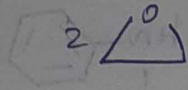


- Uses:
1. It is used to treat ulcer.
  2. 'Stomach' causes heart burn.
  3. It is used to injury of food pipe (esophagus).
- It is H<sub>2</sub> antagonist.

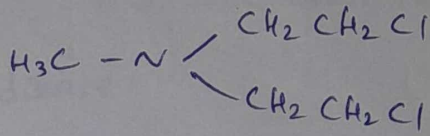
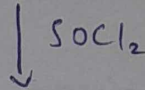
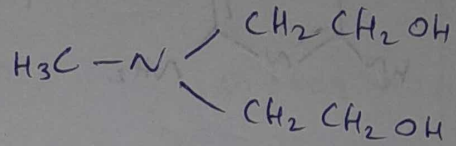
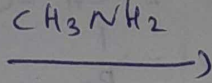
5. Meclorothamine



Synthesis :



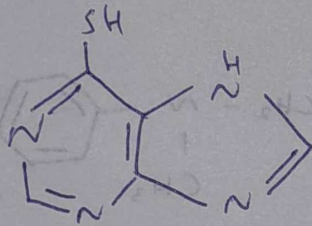
Ethylene oxide



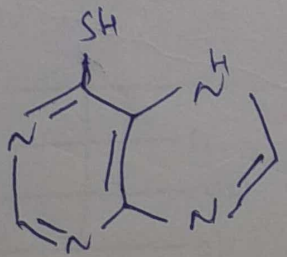
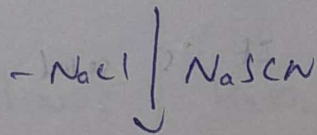
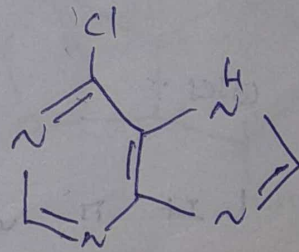
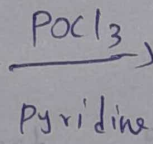
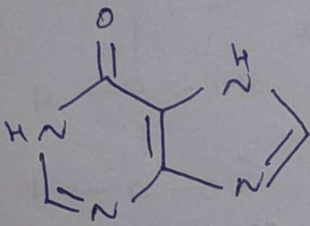
meclorothamine

Uses: It is used to cancer  
It is used to lymphoma

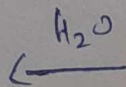
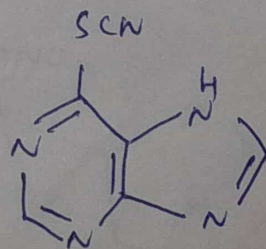
6. Mercaptopurine:



Synthesis :

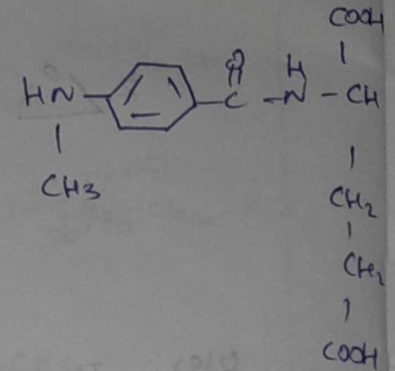
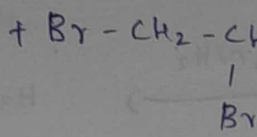
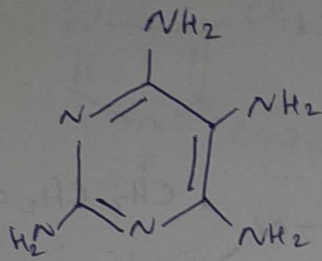


Mercaptopurine



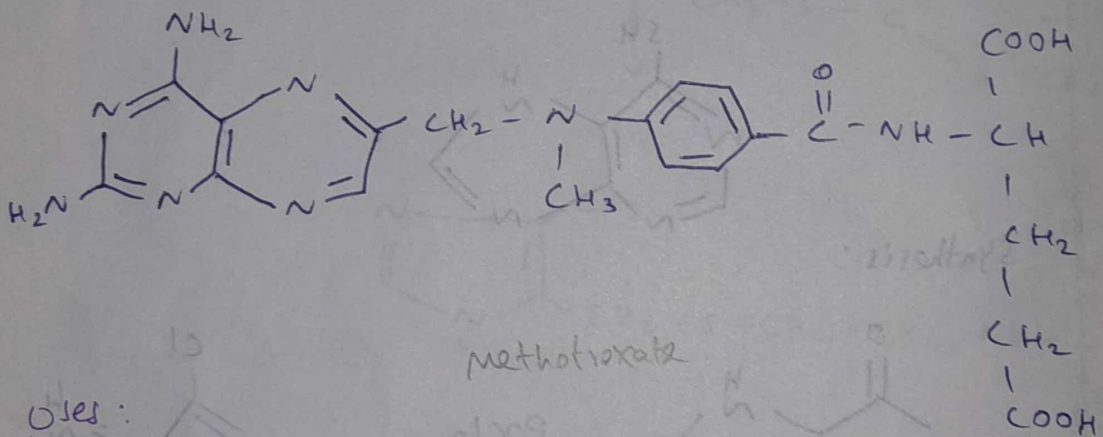
Uses: It is used to cancer  
It is used to treat acute lymphocytic leukemia

7. Methotrexate



cyclization  
dehydration  
- 2HBr / H<sub>2</sub>O

Lime H<sub>2</sub>O  
NaOH  
CH<sub>3</sub>COOH

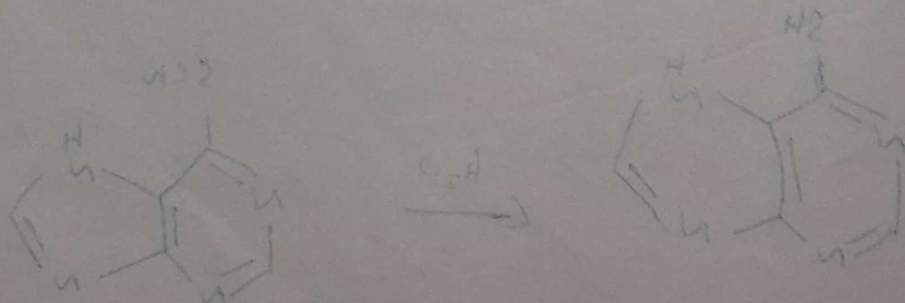


Methotrexate

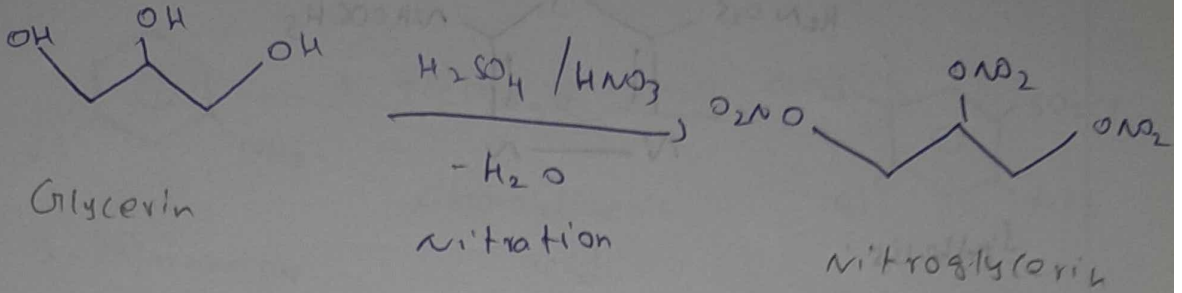
Uses:

1. It is used to treat cancer

2. It is used to treat rheumatoid arthritis



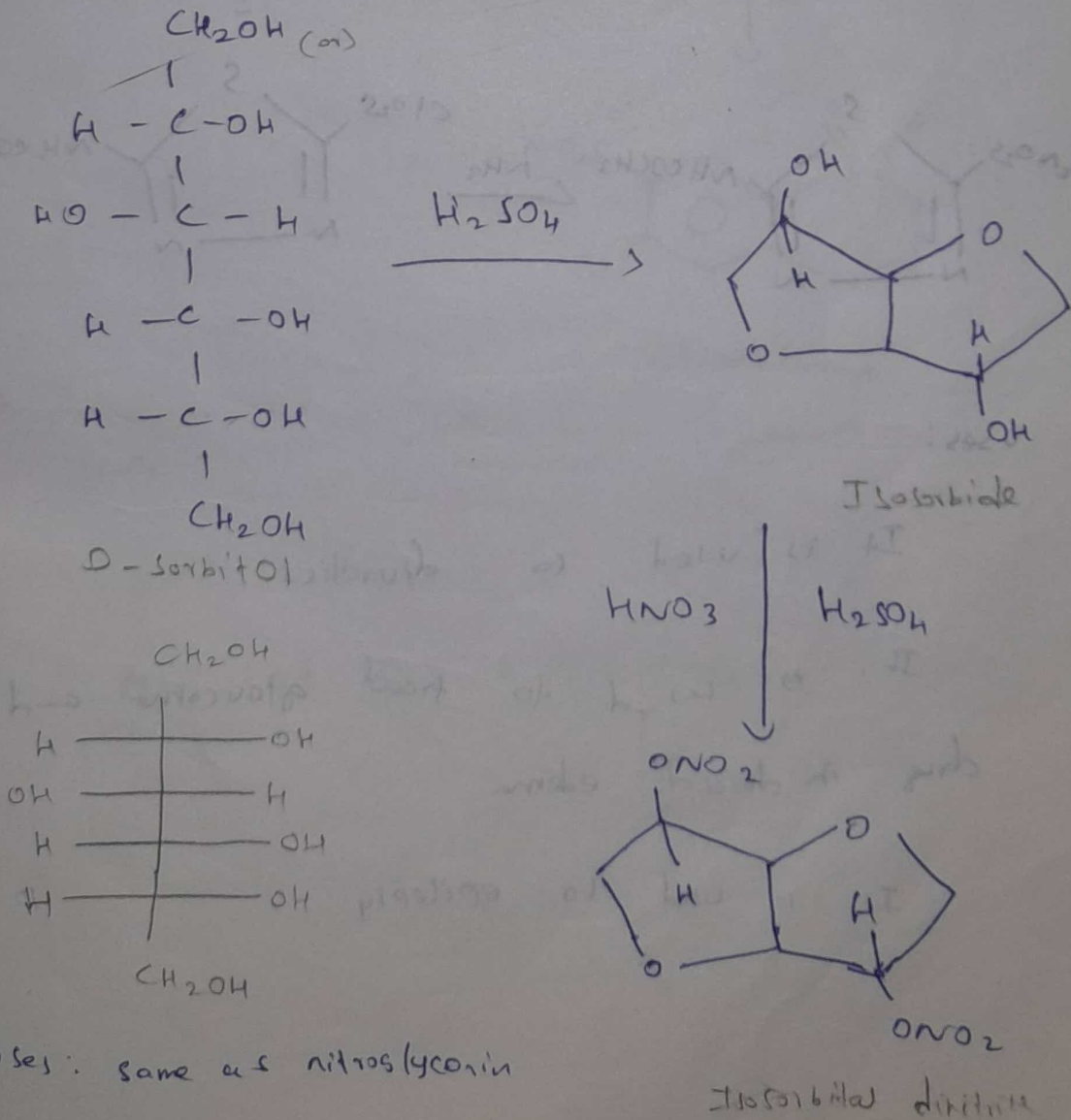
8. Nitro glycerin



Uses :

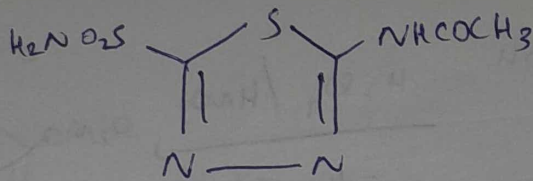
- It is used to prevent angina (chest pain) caused by coronary artery disease
- Myocardial infarction.

9. Iso sorbide dinitrite :

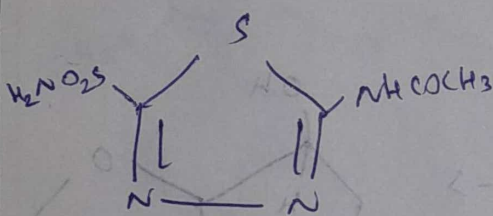
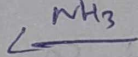
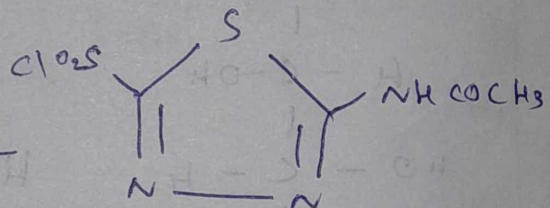
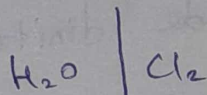
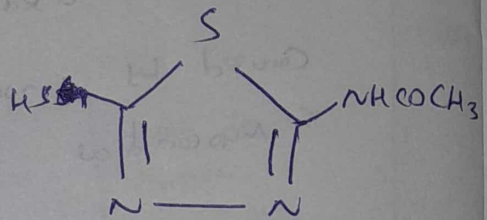
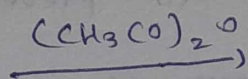
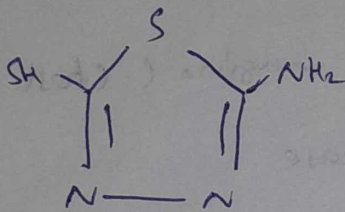


Uses : same as nitroglycerin

# Acetazolamide:



Synthesis:



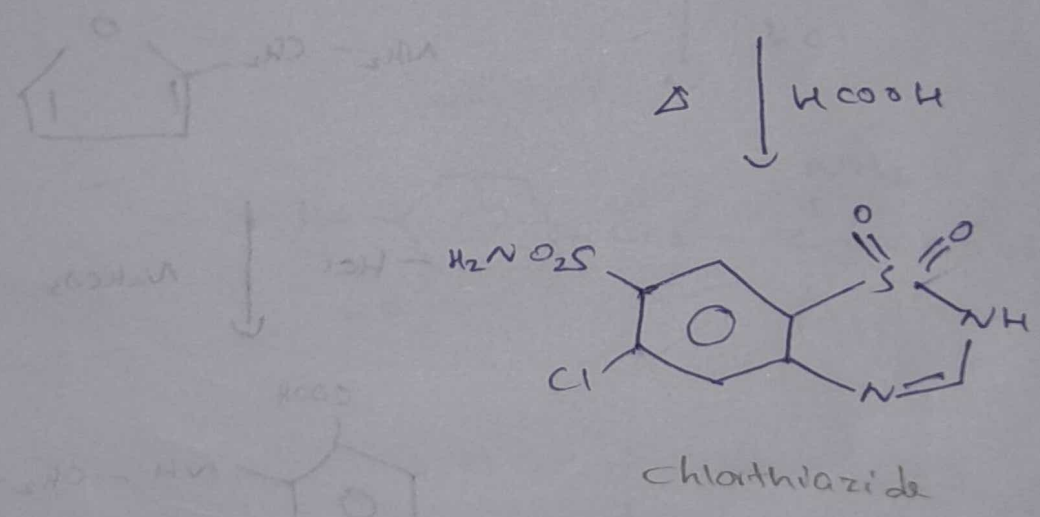
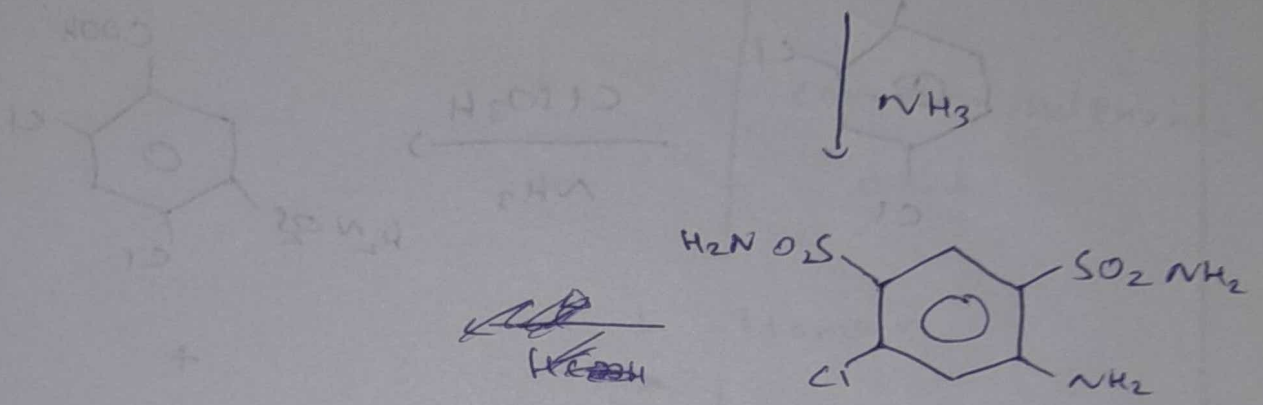
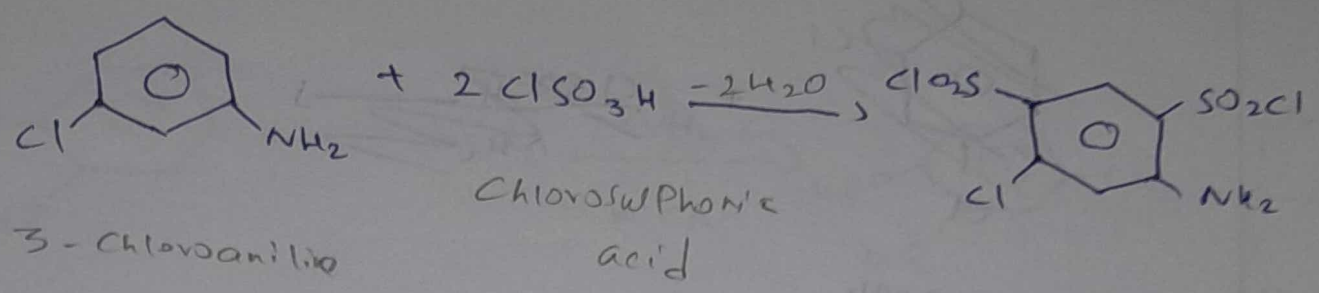
Uses:

It is used as diuretics

It is used to treat glaucoma and drug induced edema

It is used to epilepsy

110 Chlorthiazide :



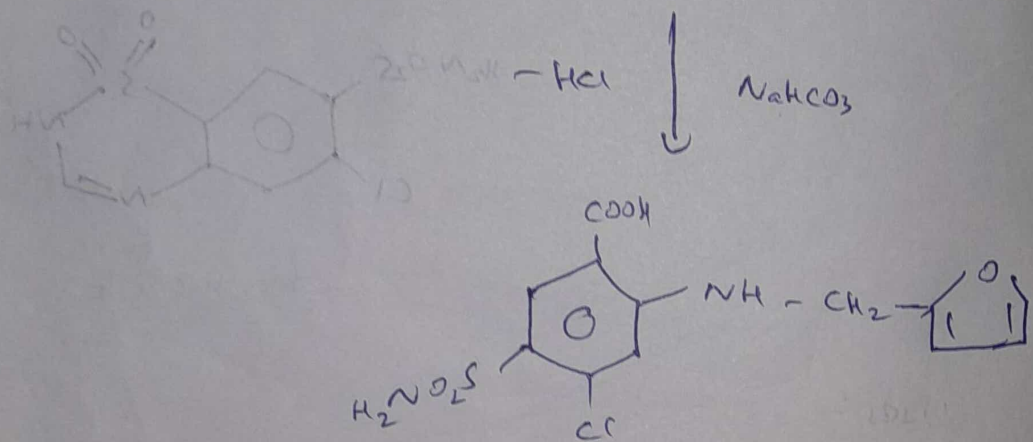
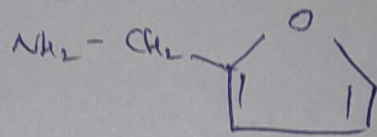
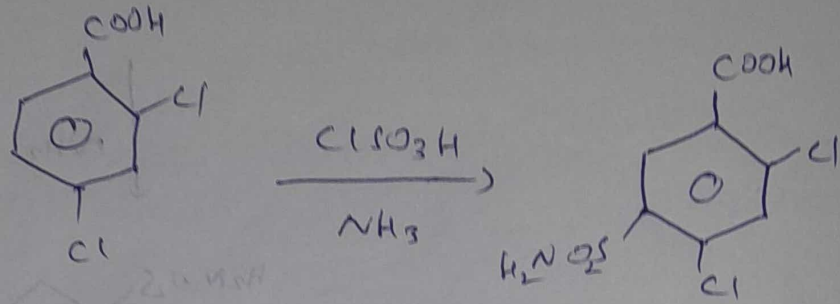
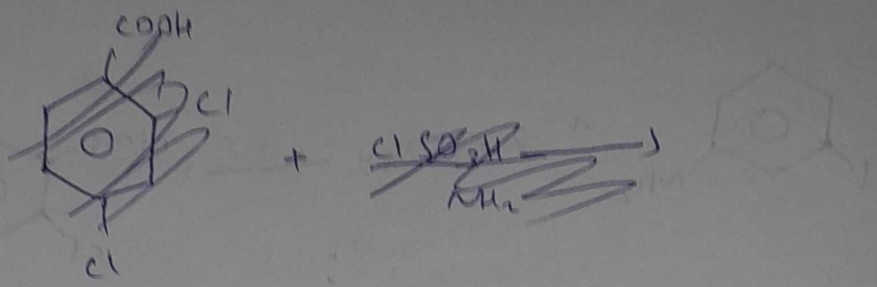
Uses:

- used to diuretics
- Also used to hypertension



12

# Furosemide :



## Uses of Furosemide :

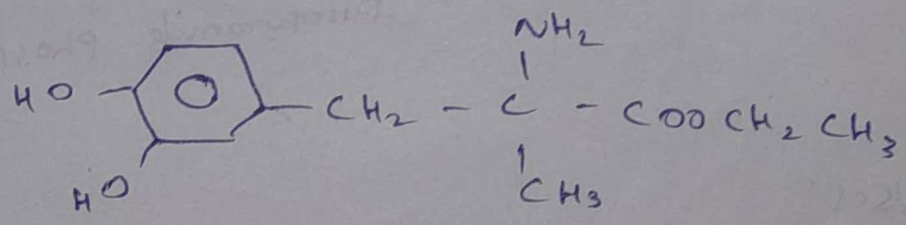
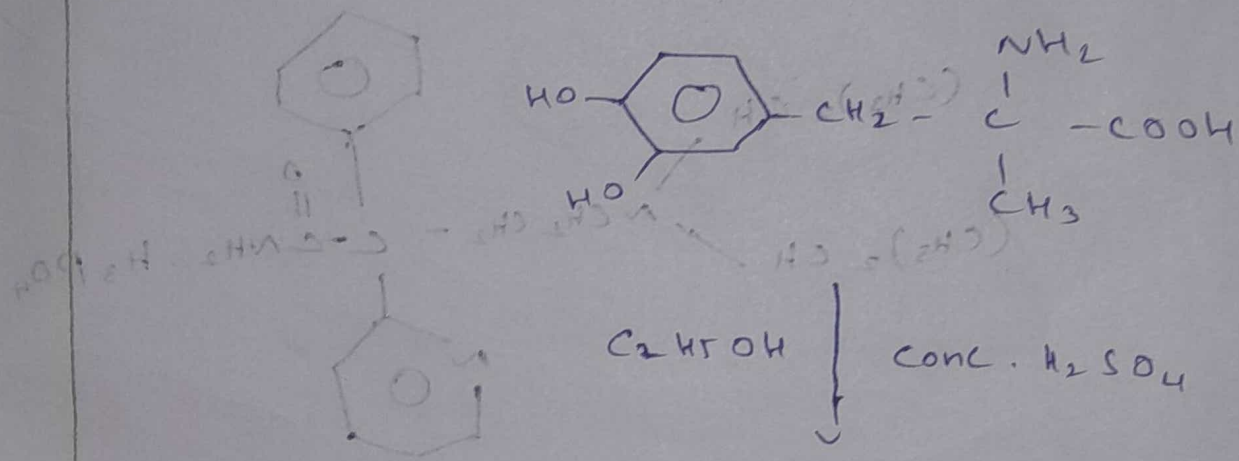
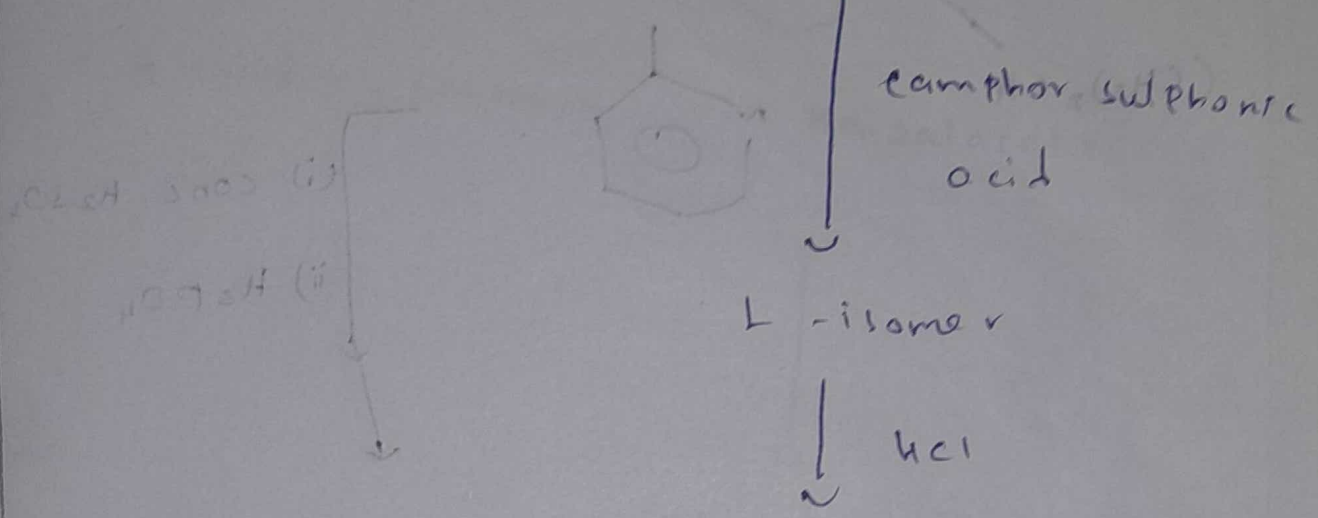
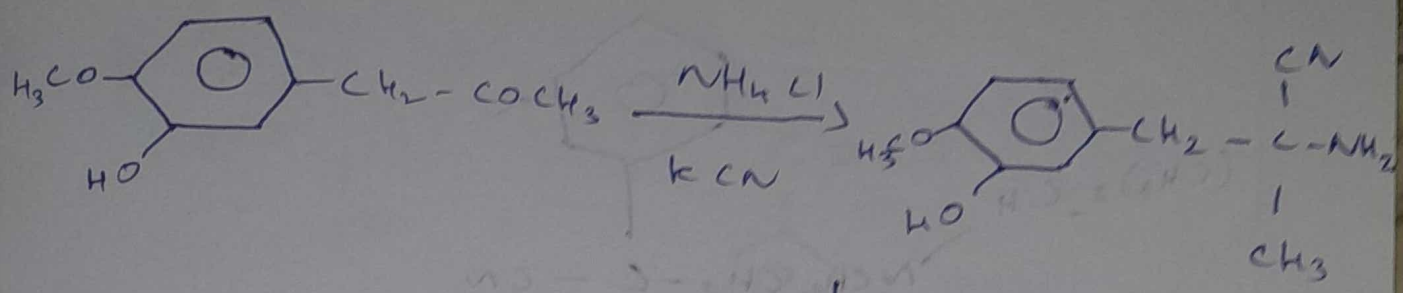
Uses :

It is used to diuretics

It is used to high blood pressure and oedema

13

# Methyl dopate hydrochloride



Methyl dopate

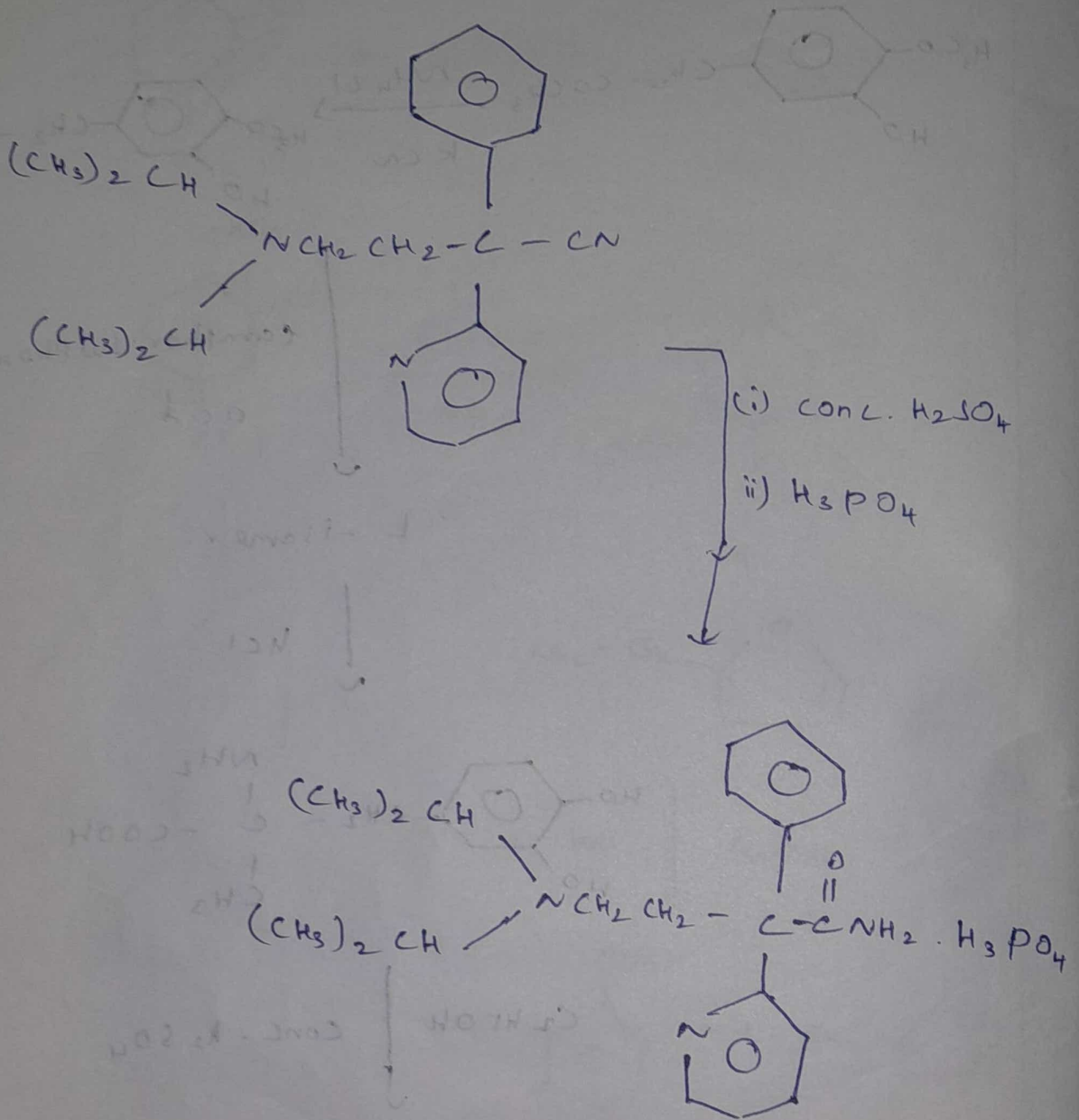
Uses:

It is used to treat high blood pressure

(Antiarrhythmic)

14.

# Disopyramide phosphate :

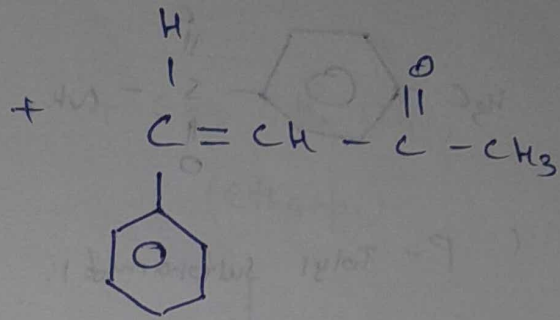
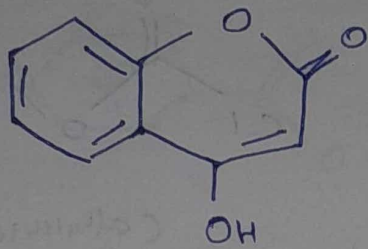


Disopyramide phosphate

## Uses:

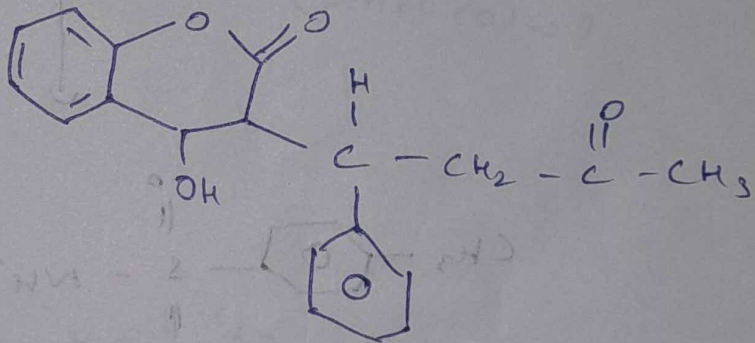
- \* It is used to arrhythmias
- \* It is used to ventricular arrhythmias
- \* " " " " " " tachycardia

15. Warfarin :



4-hydroxy coumarin

Benzalacetone



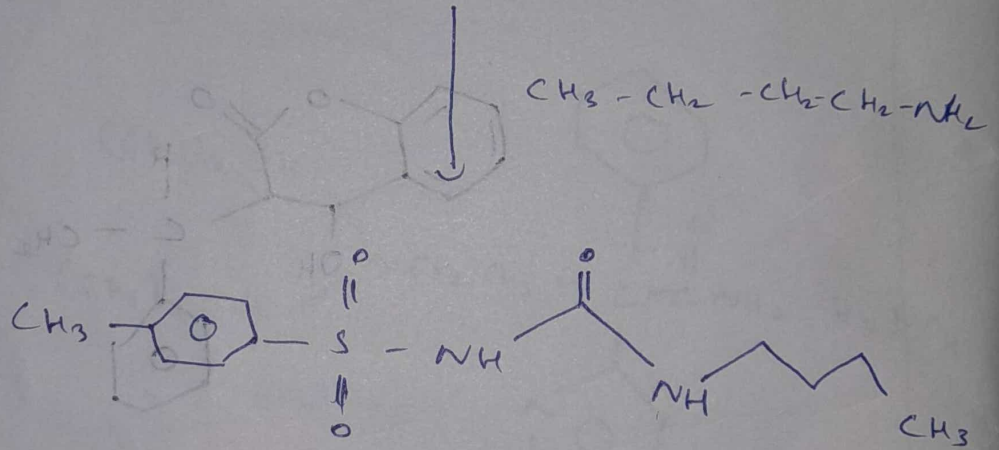
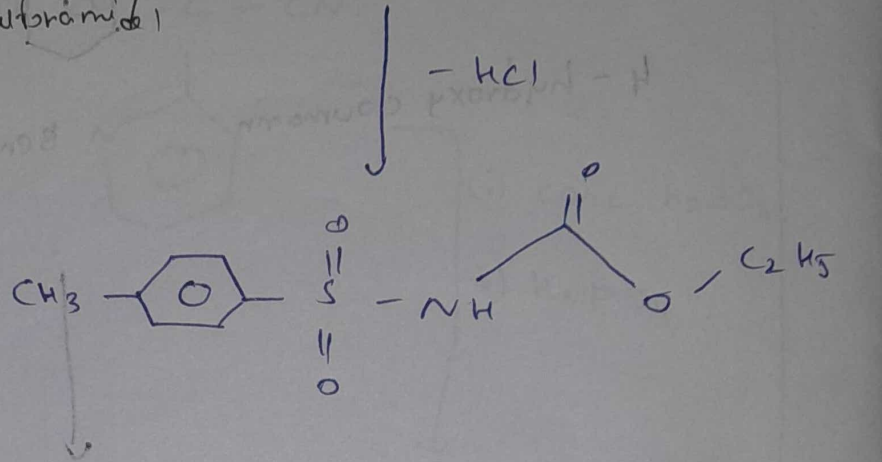
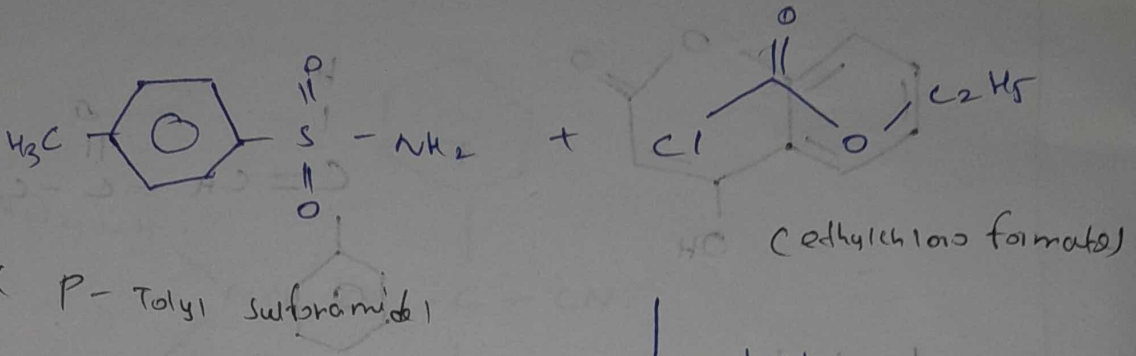
Uses :

- ✗ It is an anticoagulant agent
- ✗ It is used to venous thrombosis
- ✗ ... .. pulmonary embolism
- ✗ ... .. prophylaxis

Diabetes?

16.

# Tolbutamide:



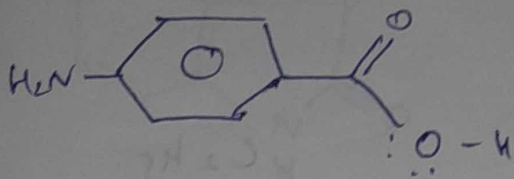
## Tolbutamide

### Uses:

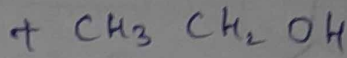
It is used to diabetes mellitus.

type 2 diabetes

# 17. Benzocaine

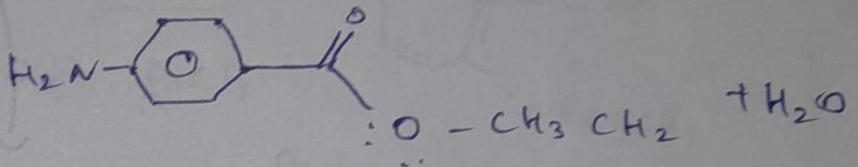


(p-aminobenzoic acid)



(ethanol)

cat H<sub>2</sub>SO<sub>4</sub>



(Benzocaine)

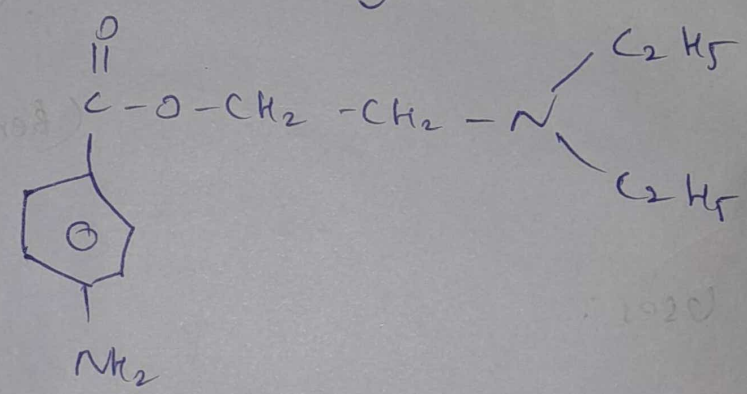
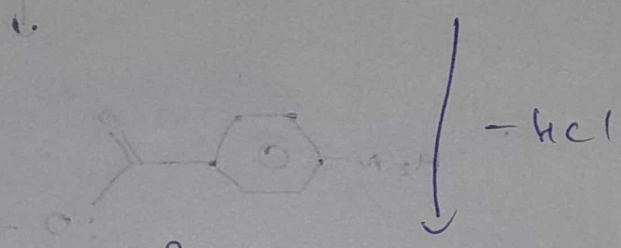
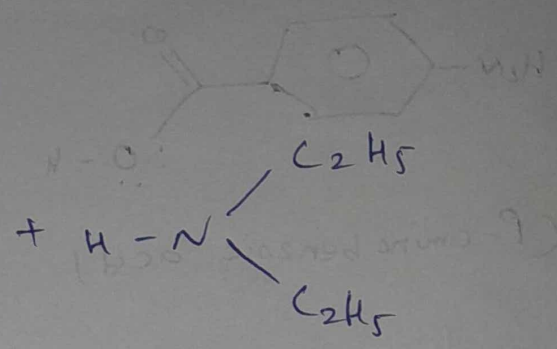
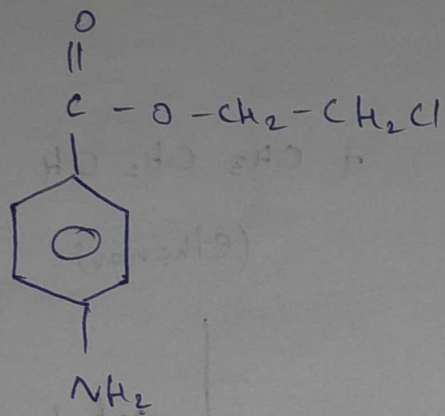
Uses:

\* It is used to pain relief

\* It is also used to local anesthetics

It is used for numbing painful area

18. Procaine :



( Procaine )

Uses:

It is used to relieve pain

It is also used to local anesthetics that works mainly painkillers

9. Dibucaine

