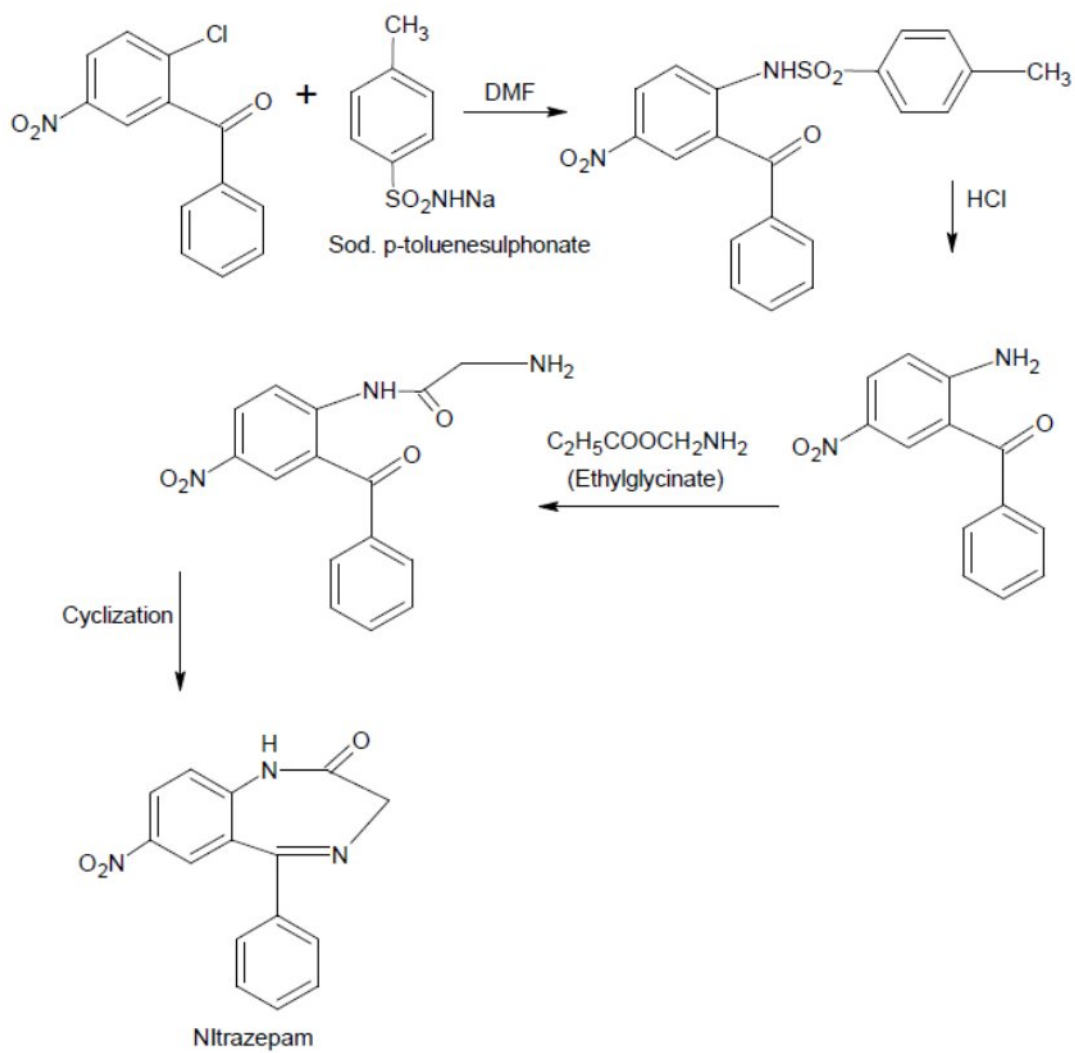
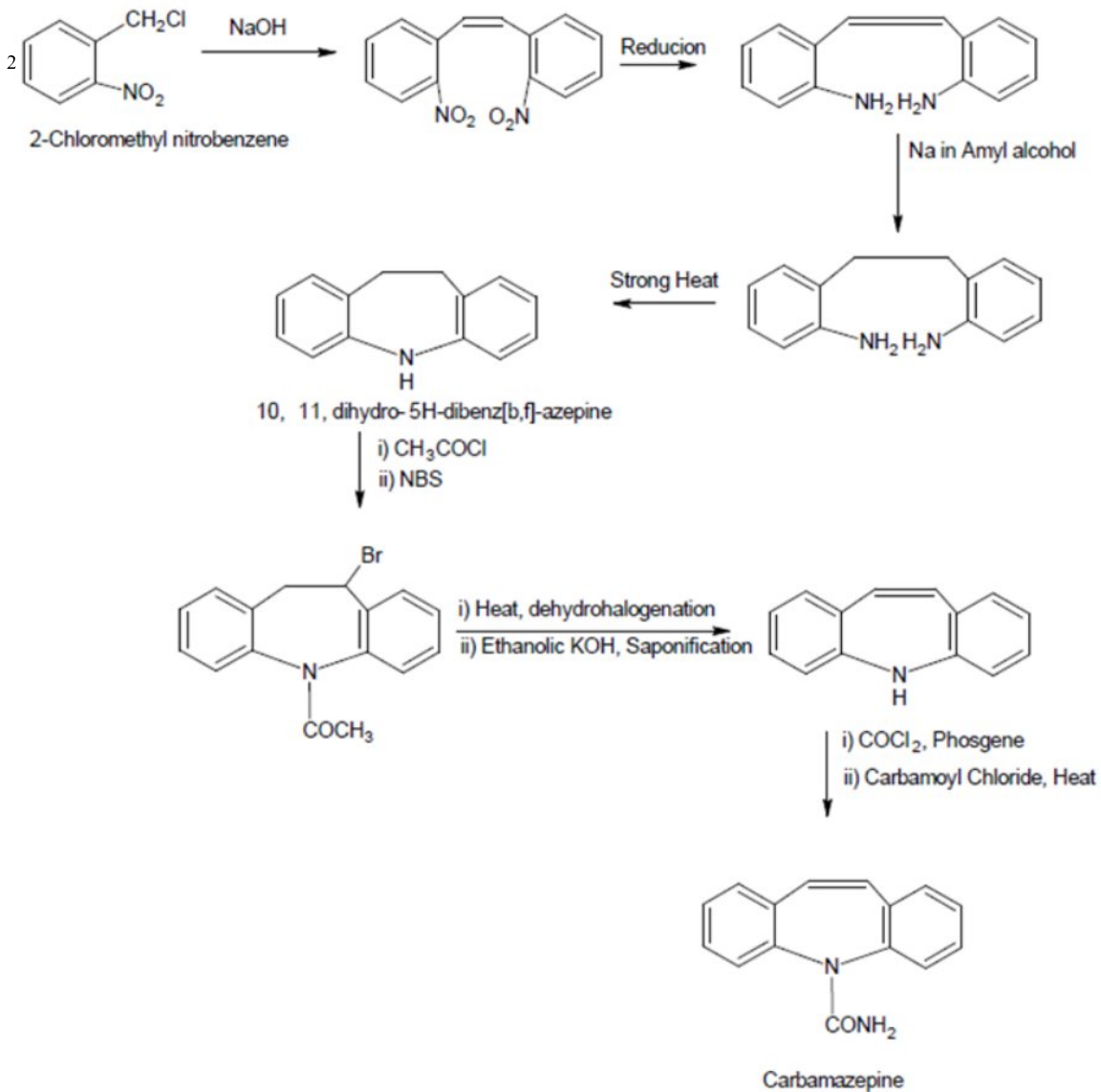


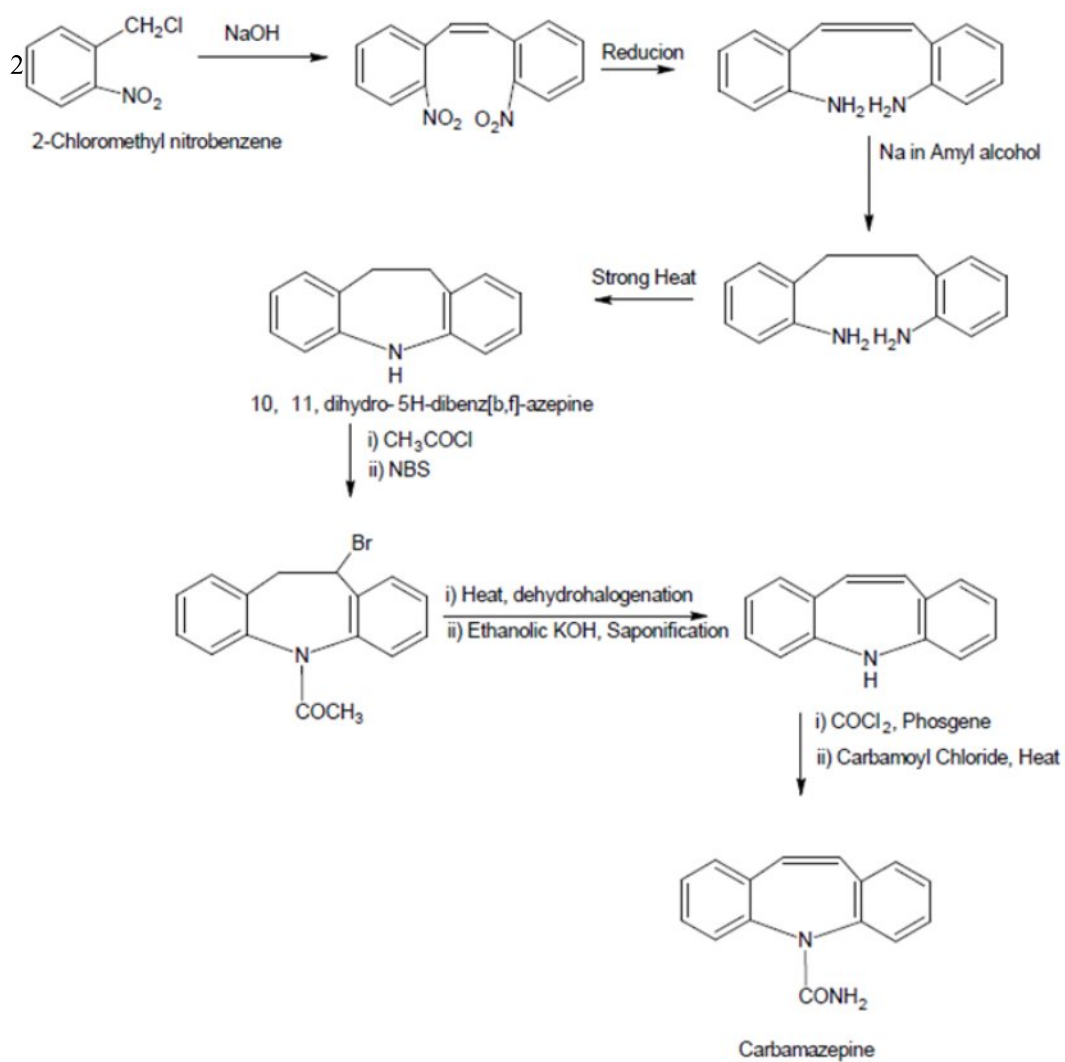
### Synthesis of Nitrazepam



### Synthesis of Carbamazepine

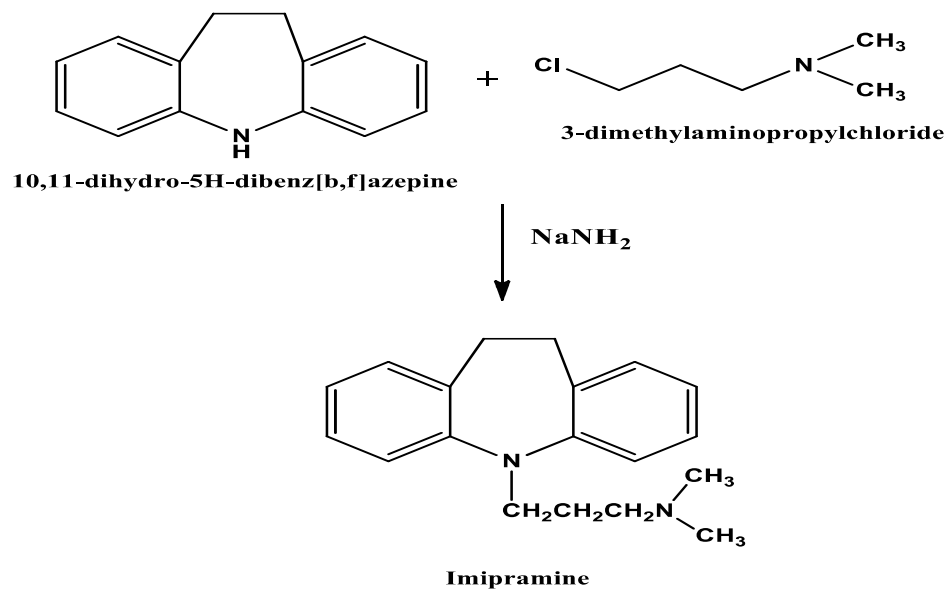


## Synthesis of Carbamazepine

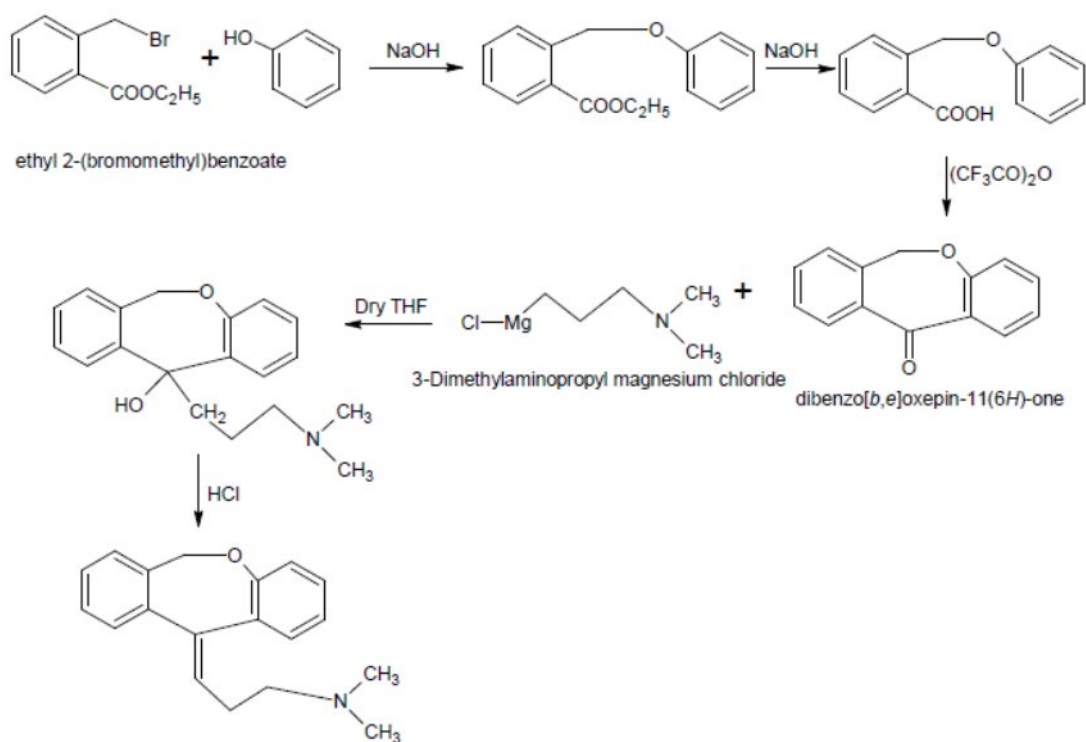


Carbamazepine

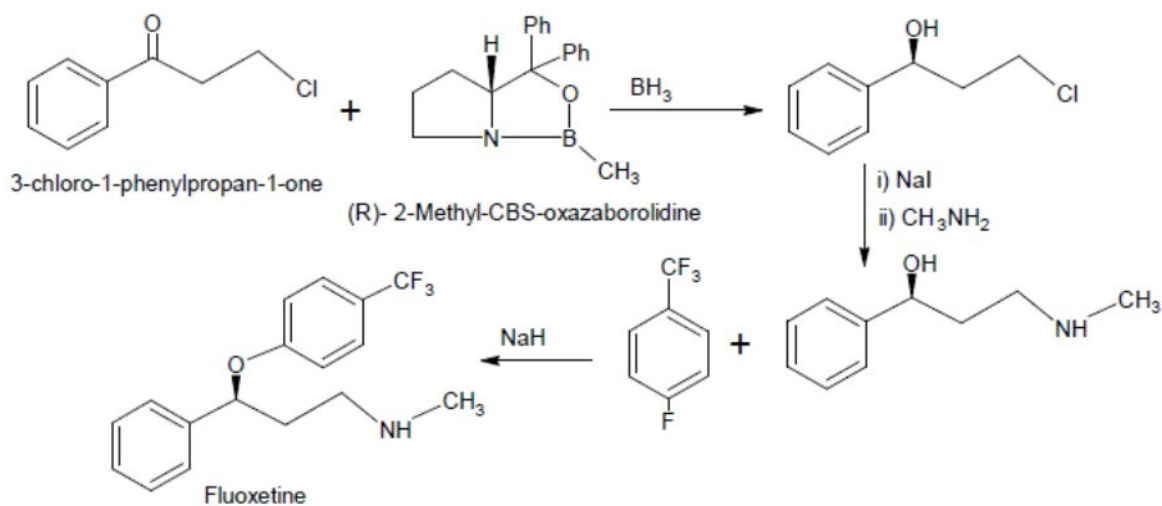
## Synthesis of Imipramine



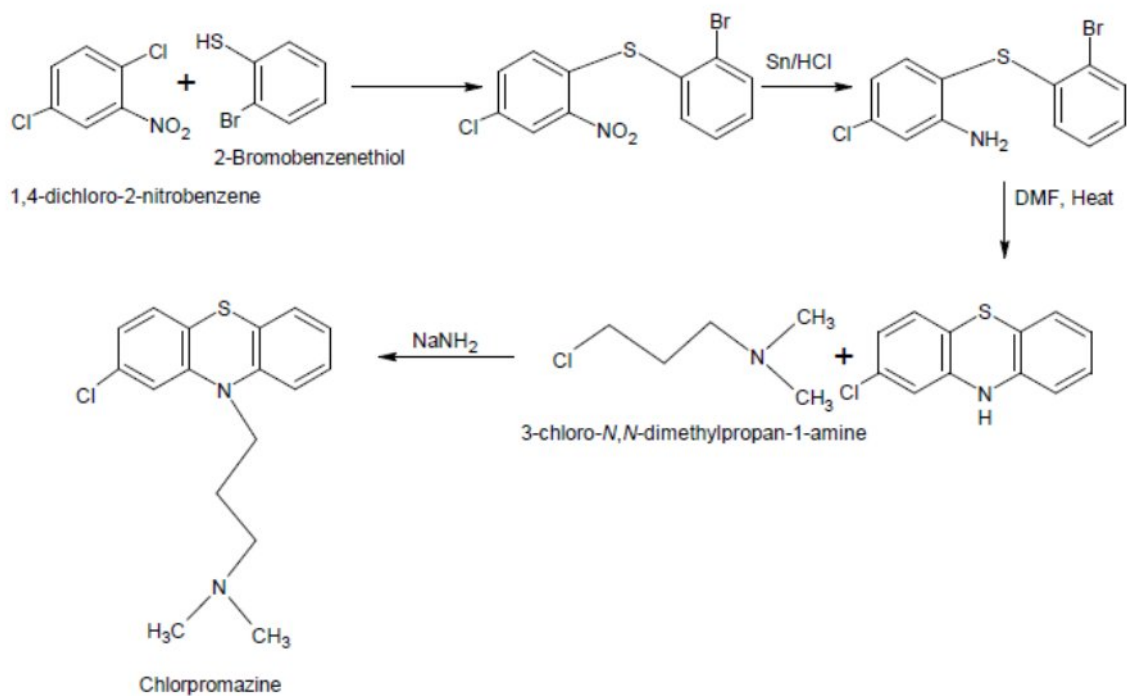
## Synthesis of Doxepin



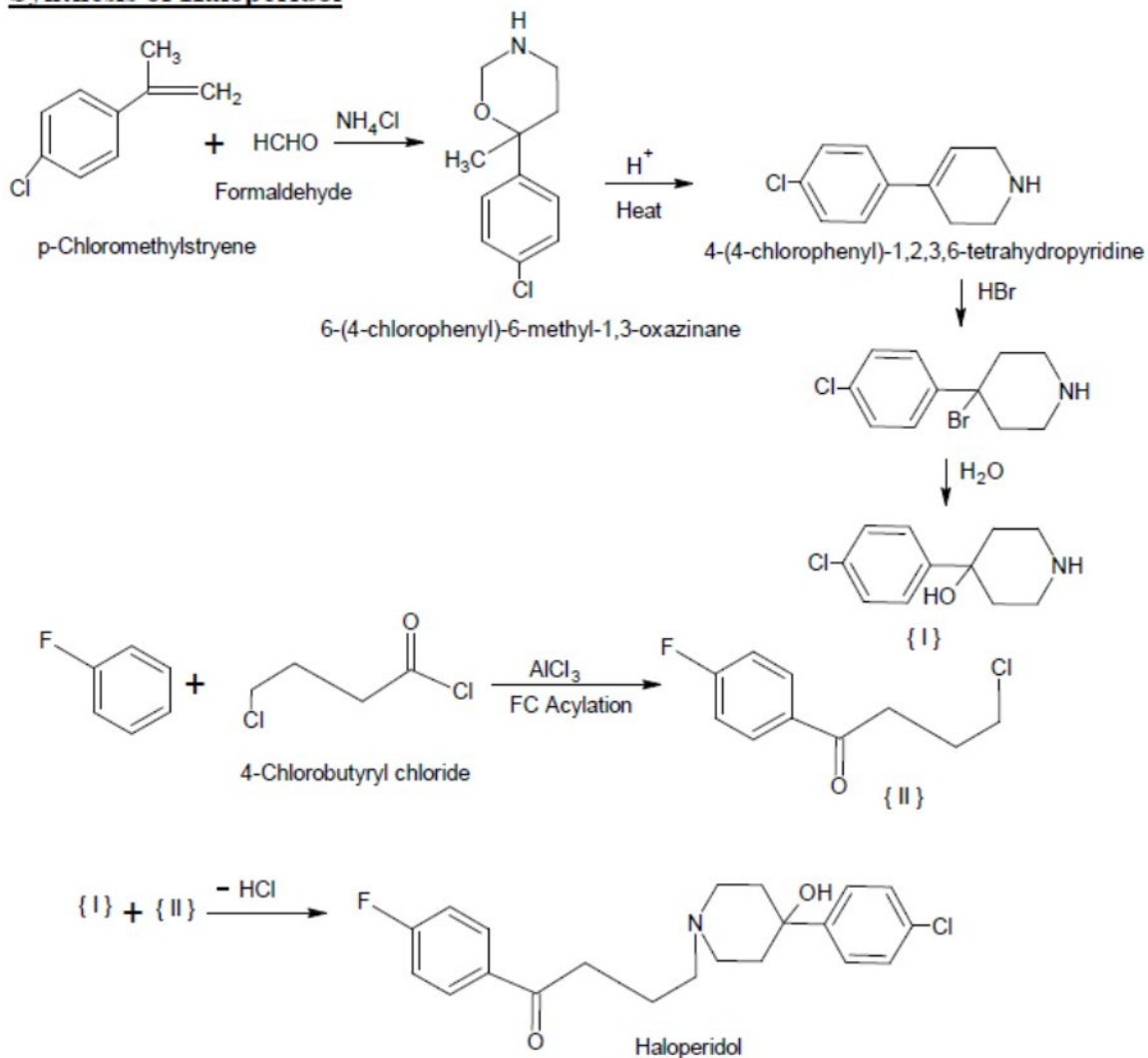
## Synthesis of Fluoxetine



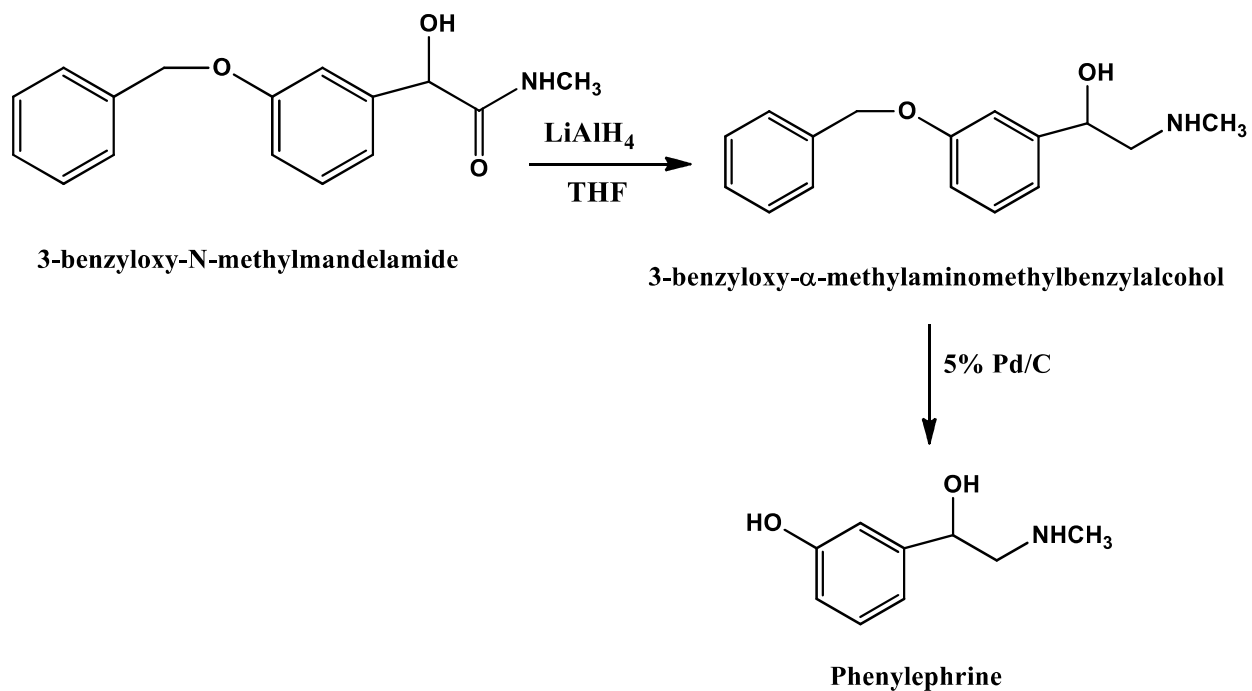
## Synthesis of Chlorpromazine



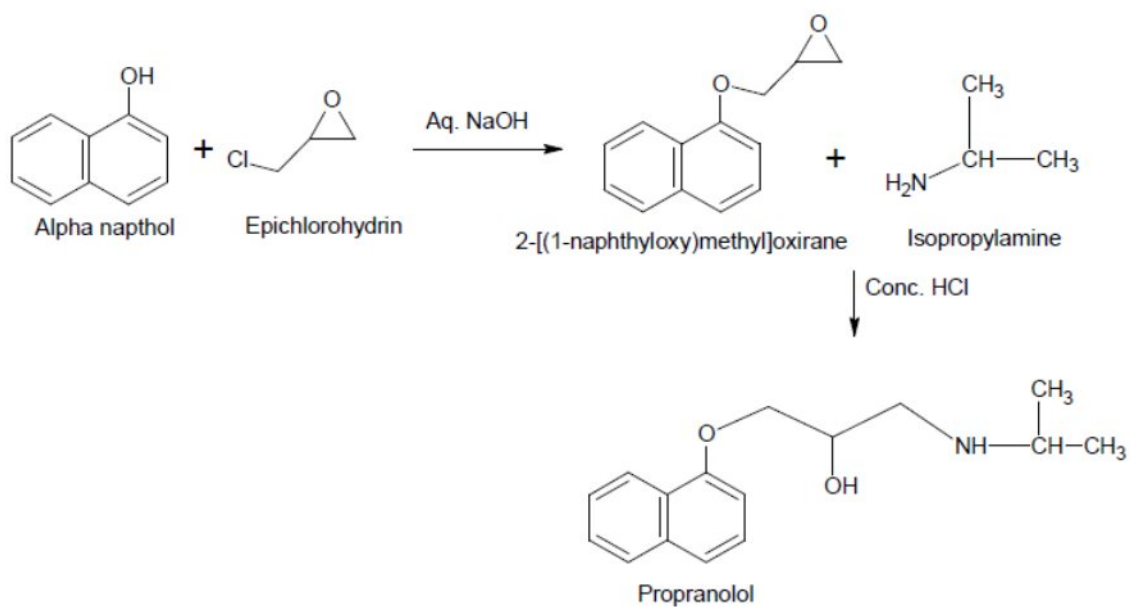
## Synthesis of Haloperidol



## Synthesis of Phenylephrine



## Synthesis of Propranolol



1-(3,5-dihydroxyphenyl)ethanone + 2 Benzyl bromide  $\xrightarrow{\text{NaH}}$  Benzyl ether intermediate

Benzyl ether intermediate  $\xrightarrow{\text{Br}_2 \text{ in } \text{CHCl}_3}$  1-(3,5-diethoxyphenyl)ethanone + N-benzyl-tert-butylamine

1-(3,5-diethoxyphenyl)ethanone  $\xrightarrow[\text{Reduction \& debenzylation}]{\text{H}_2/\text{Pd-C}}$  Terbutaline

Salicylamide

CH<sub>3</sub>COCl

AlCl<sub>3</sub>

F.C. Acylation

Br<sub>2</sub> in CHCl<sub>3</sub>

NaBH<sub>4</sub>

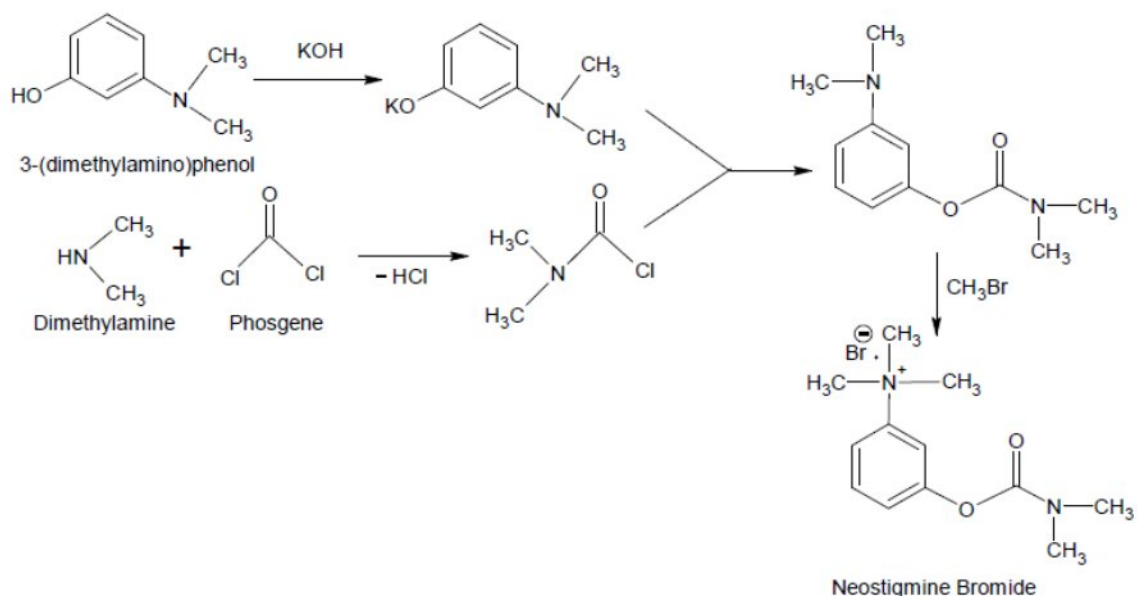
4-Phenyl-butan-2-amine

- HBr

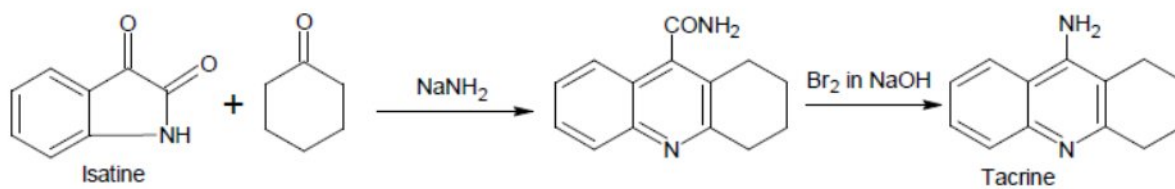
Labetalol



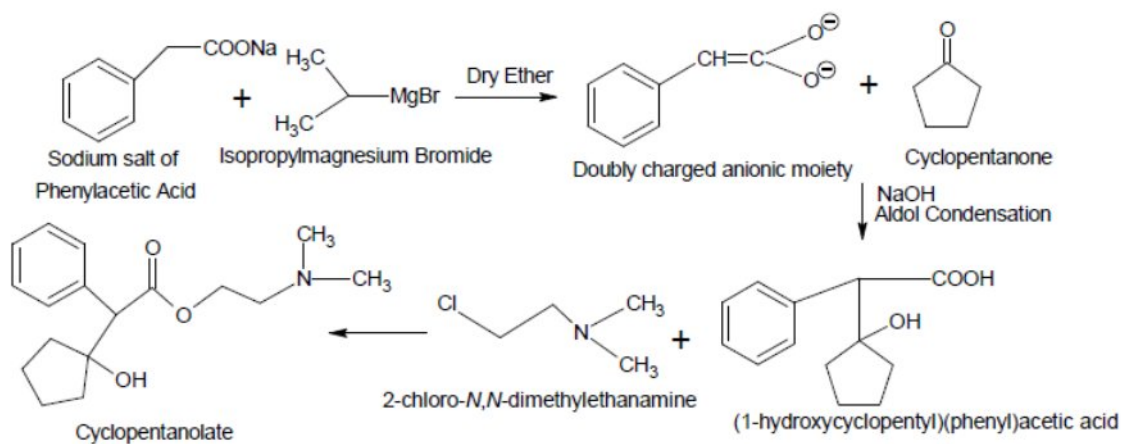
### Synthesis of Neostigmine



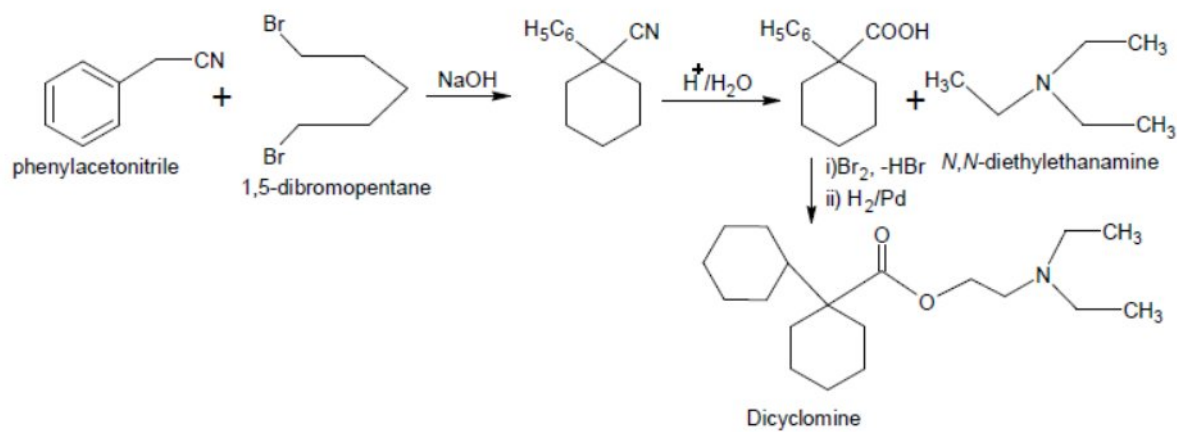
### Synthesis of Tacrine



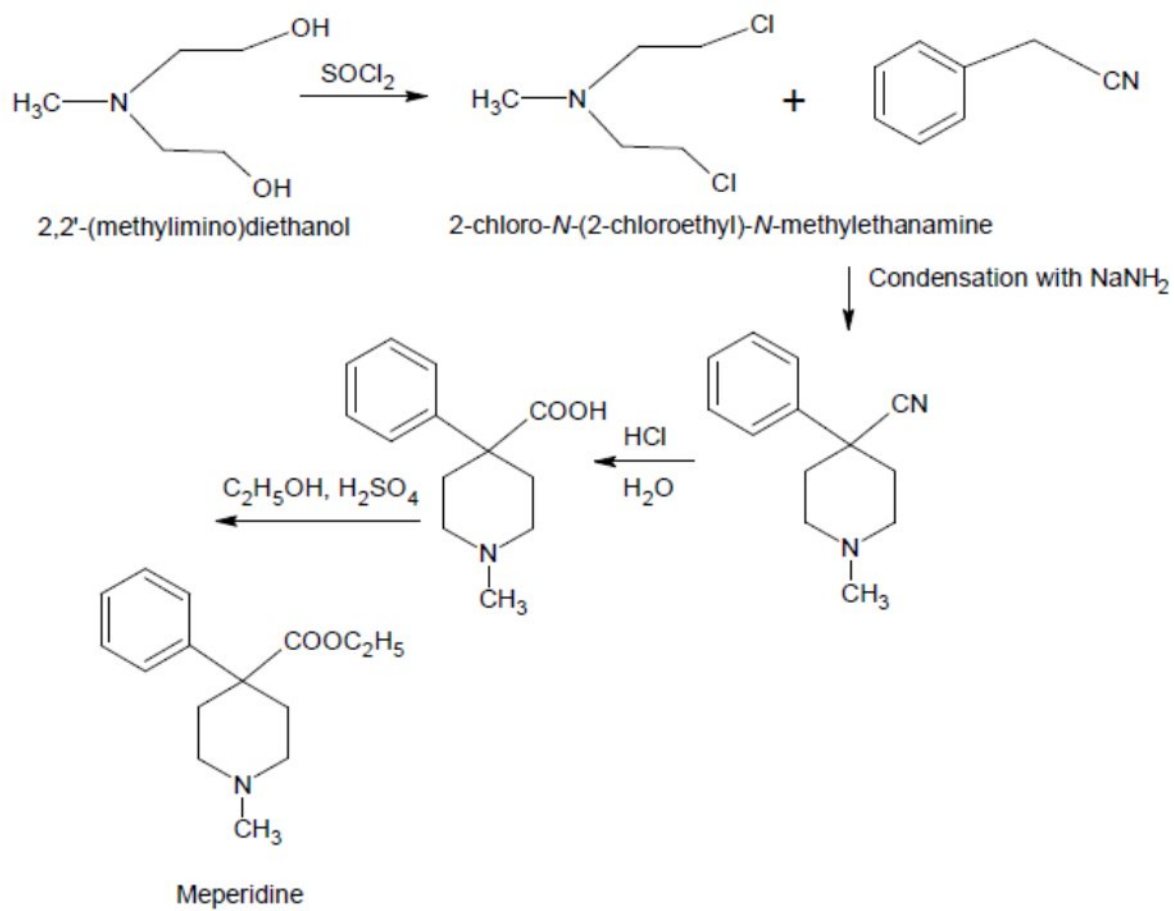
## Synthesis of Cyclopentanolate



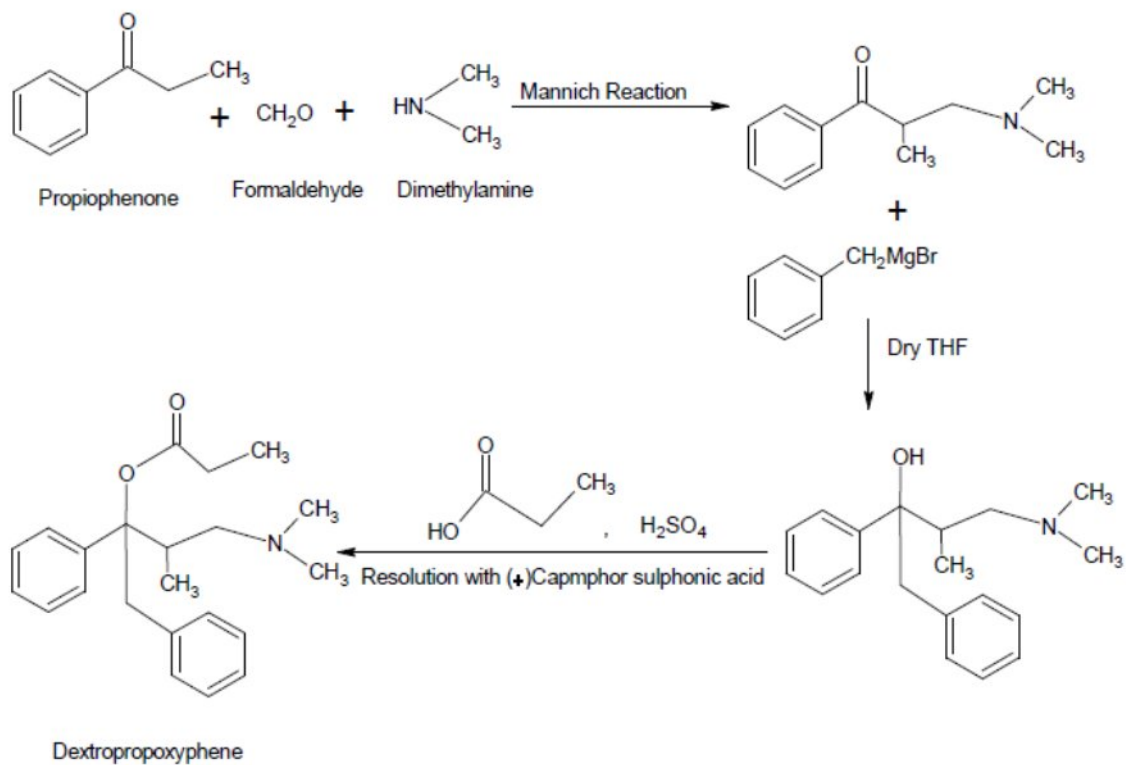
## Synthesis of Dicyclomine



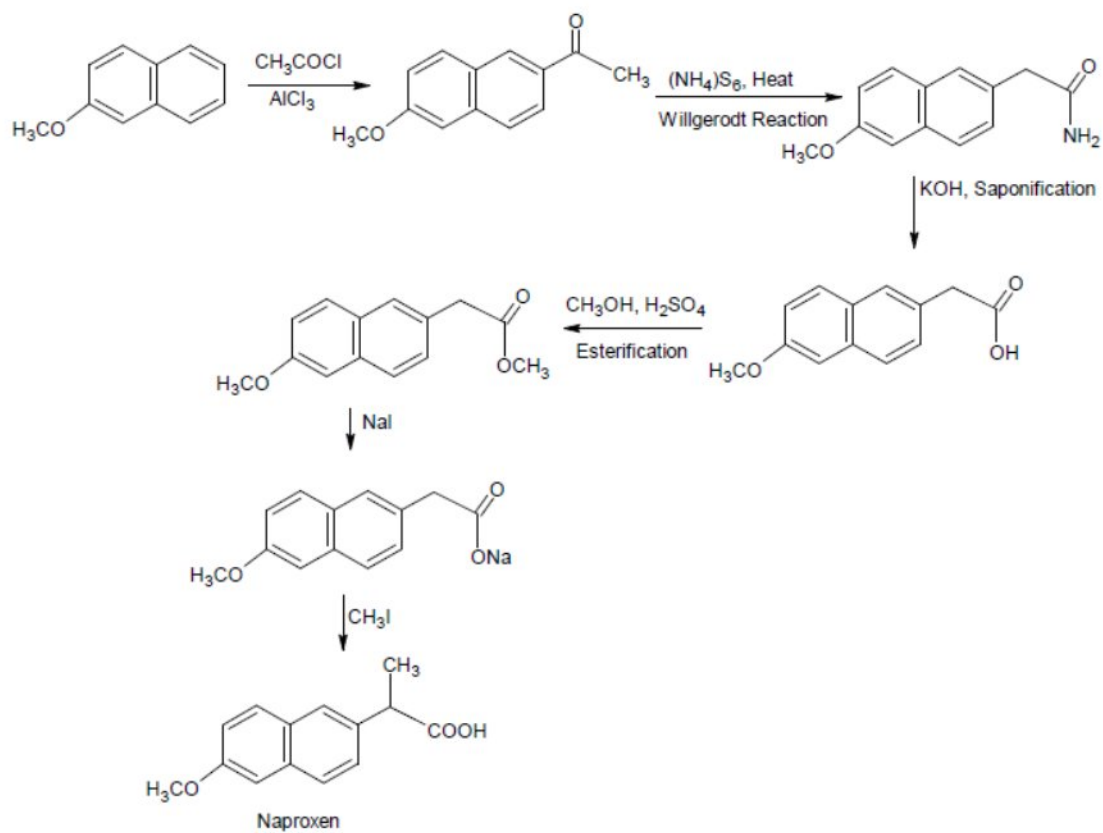
## Synthesis of Meperidine



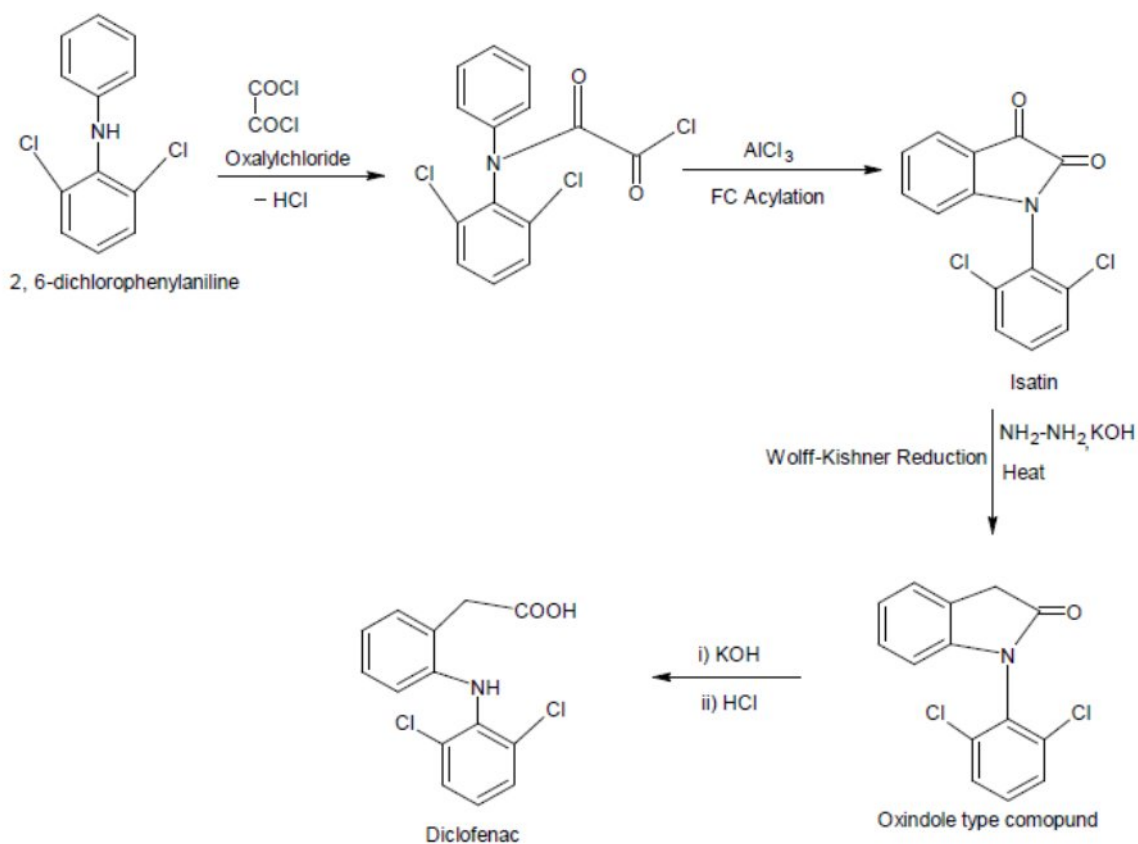
## Synthesis of Dextropropoxyphene



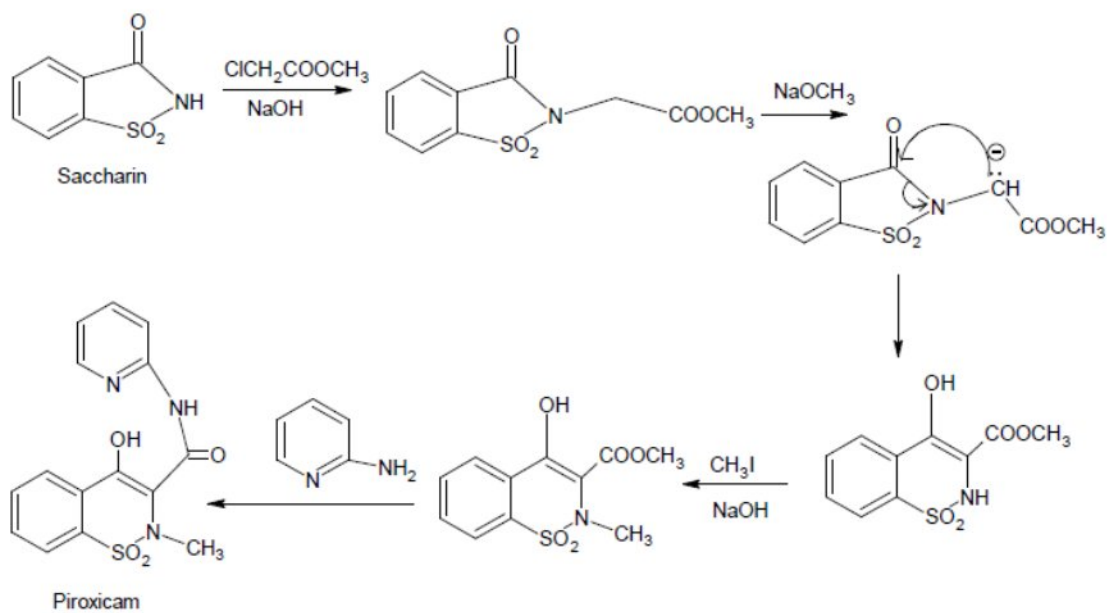
## Synthesis of Naproxen



## Synthesis of Diclofenac



## Synthesis of Piroxicam



## Synthesis of trans-Diethylstilbesterol

