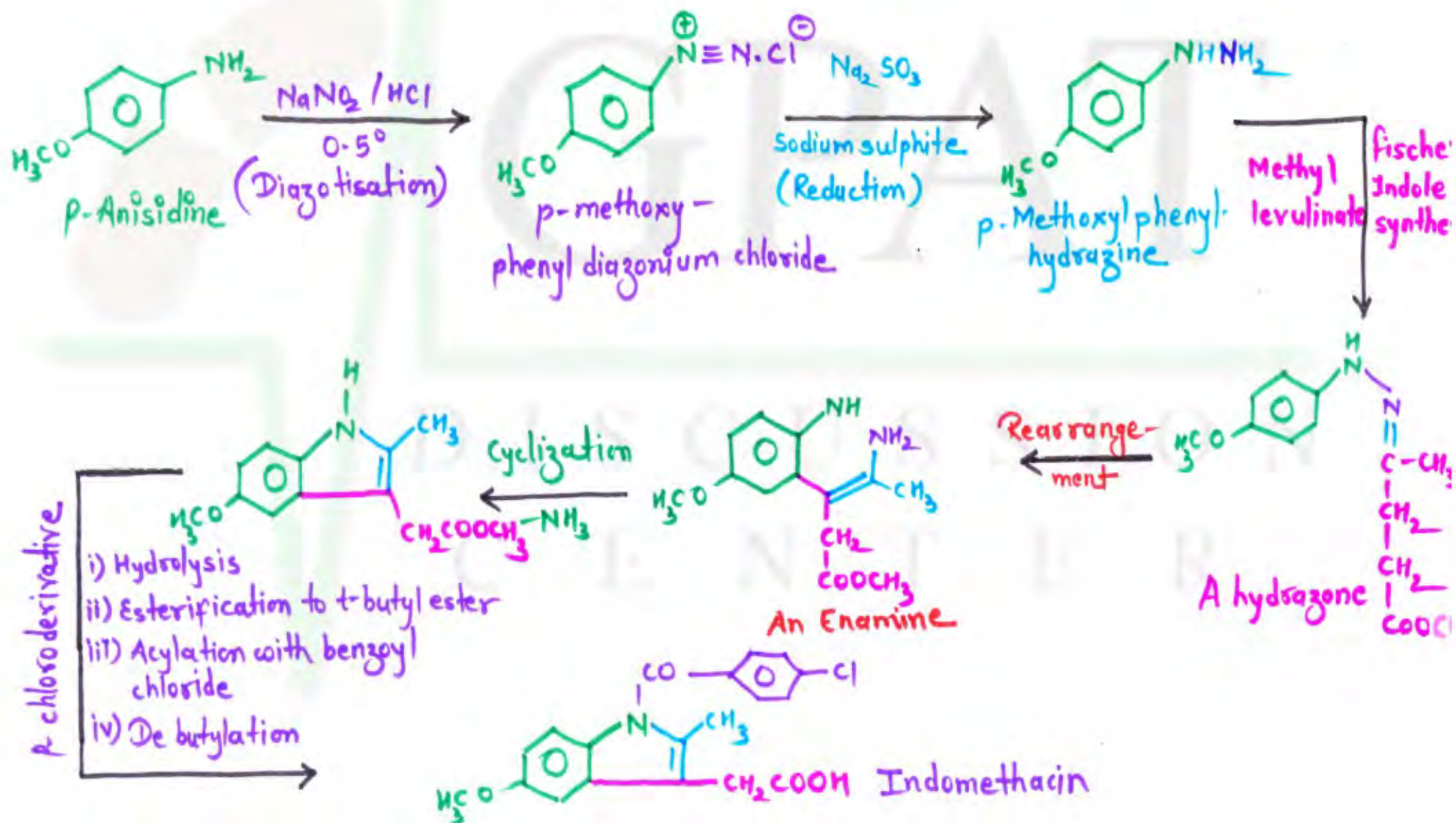


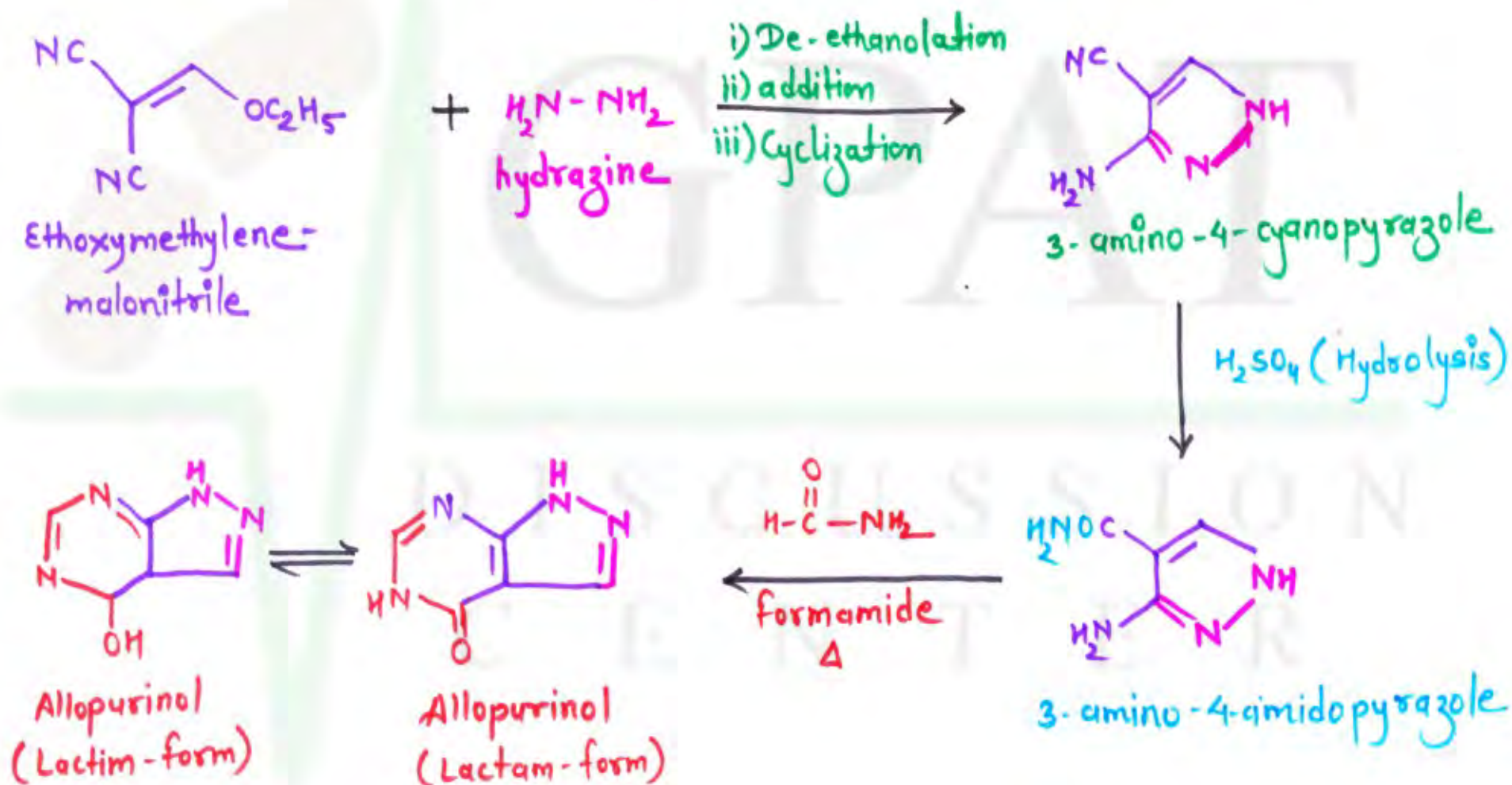
Synthesis of Indomethacin

1-(p-chlorobenzoyl)-5-methoxy-2-methylindole-3-acetic acid



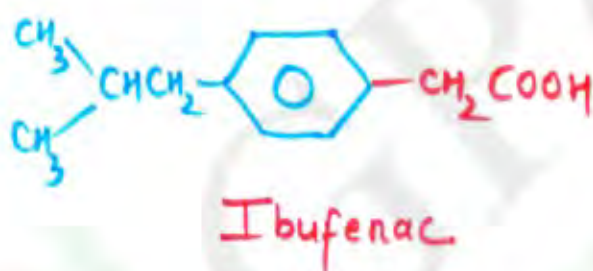
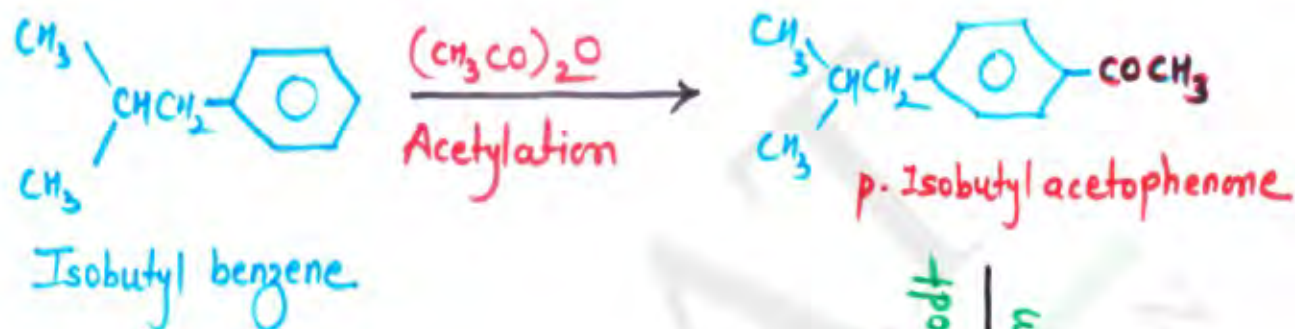
Synthesis of Allopurinol

1,5-Dihydro-4H-pyrazolo [3,4-d] pyrimidin-4-one



Synthesis of Ibuprofen

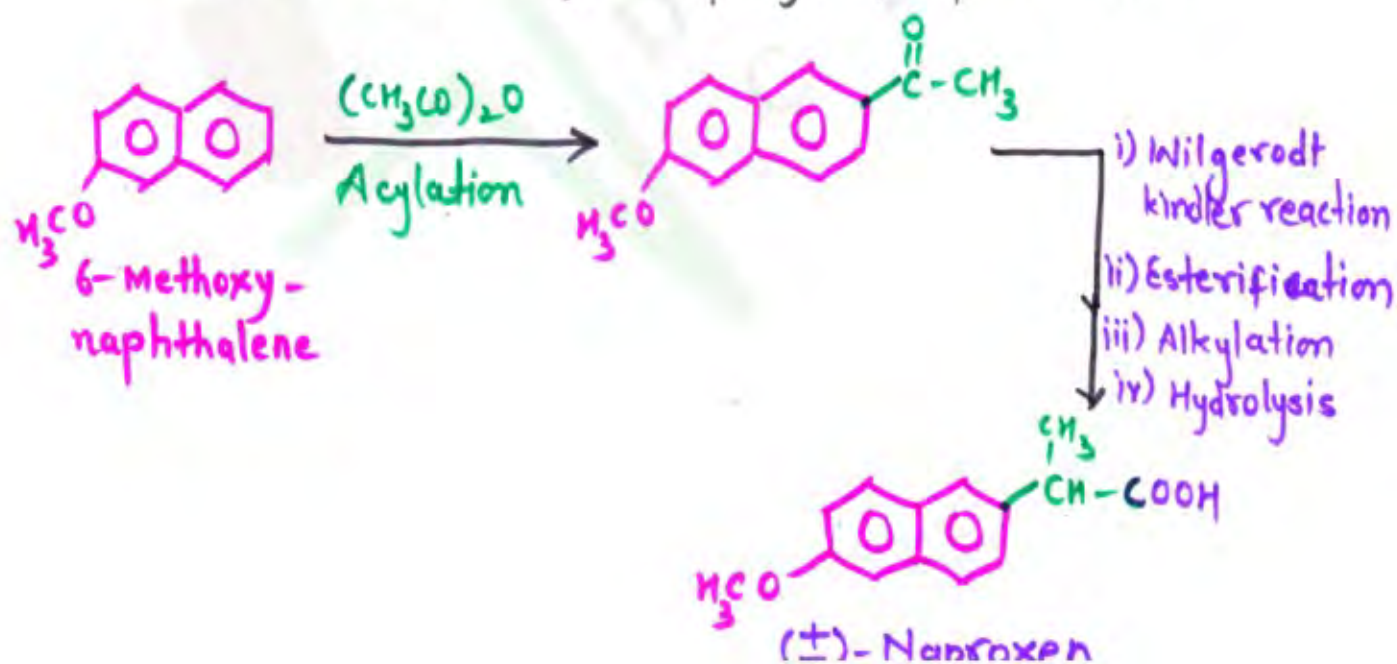
Benzeneacetic acid, 4-(2-methyl propyl)



Willgerdt
oxidation

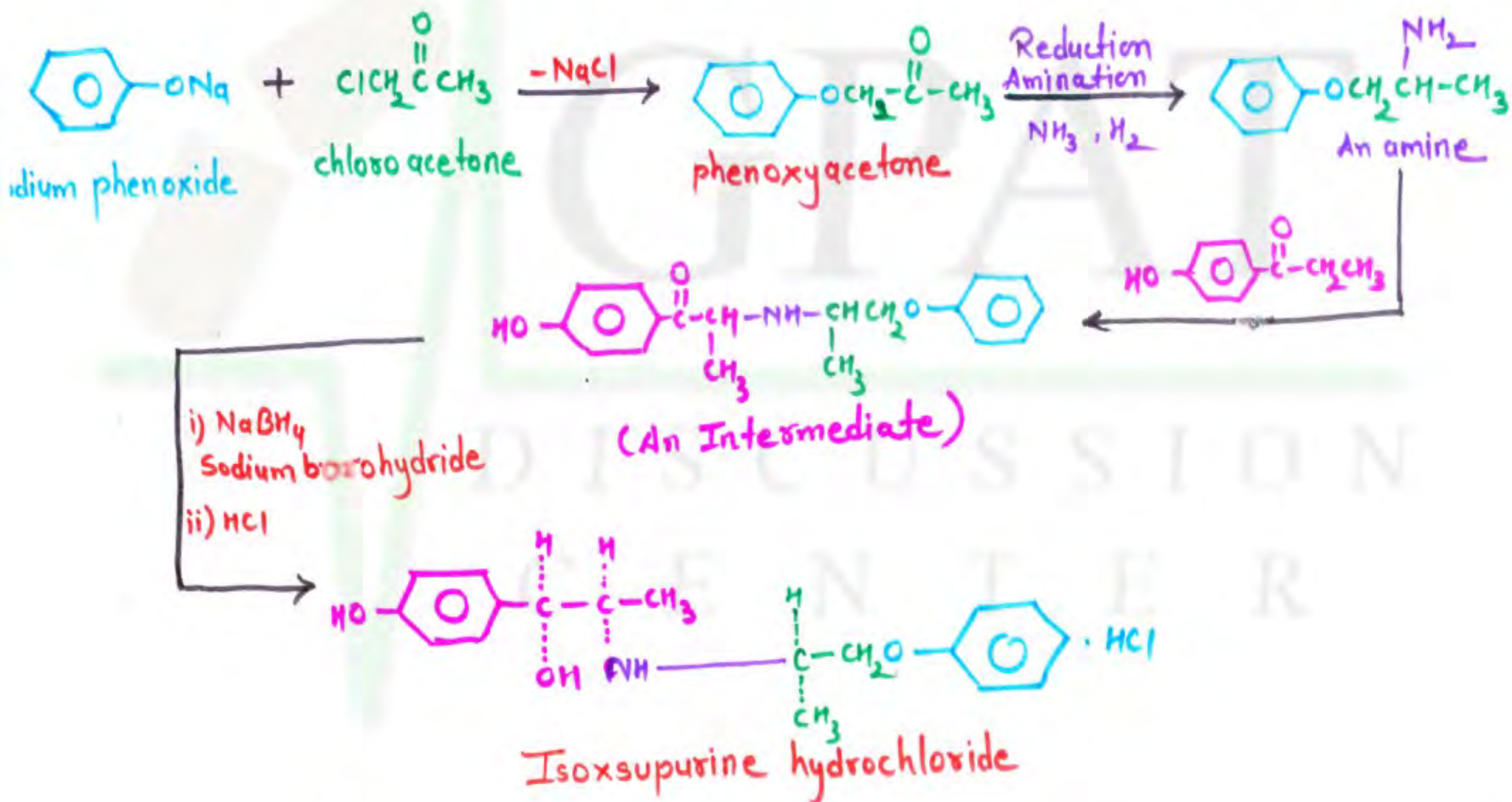
Synthesis of Naproxen

(±) - 2-(6-Methoxy-2-naphthyl)-propionic acid



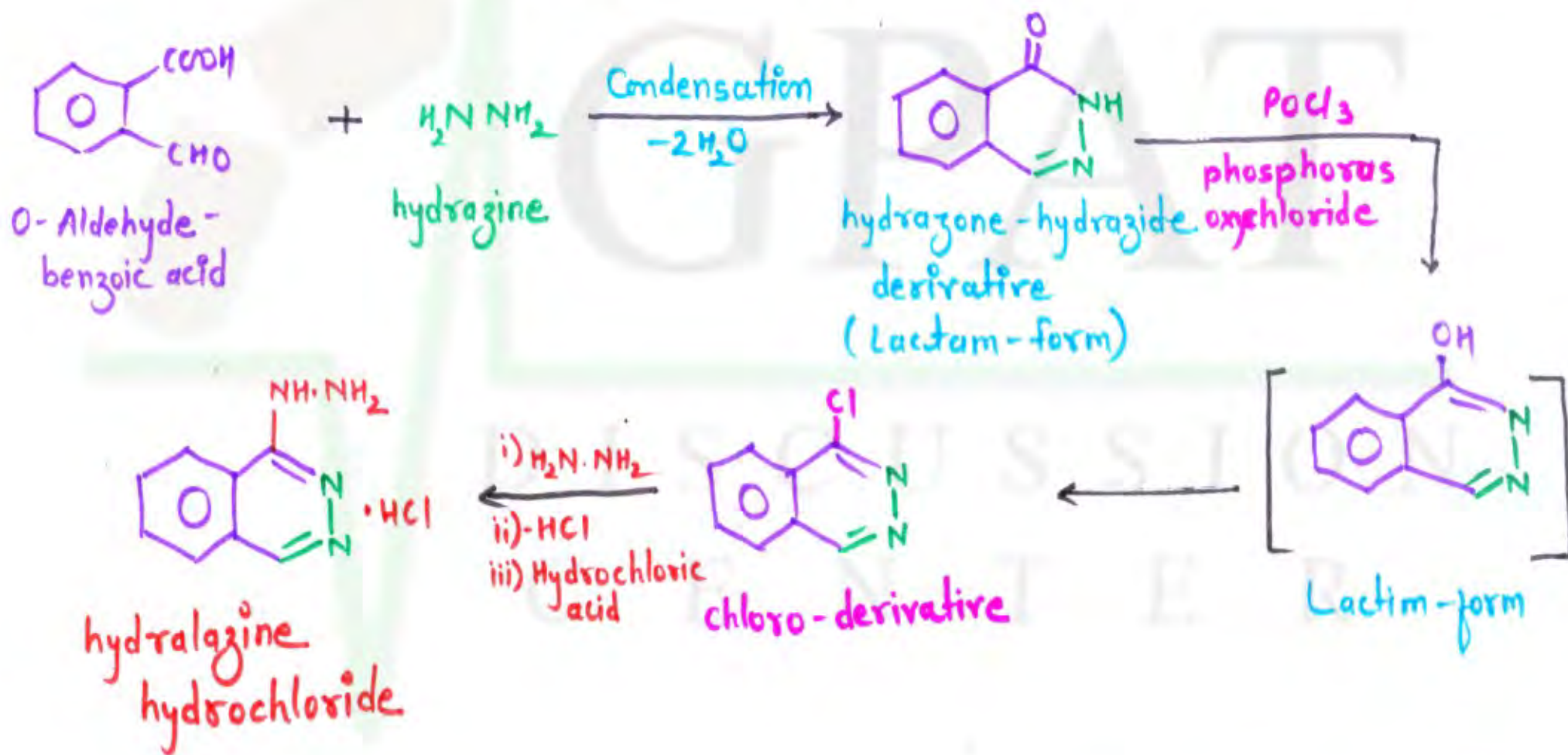
Synthesis of Isoxsuprine Hydrochloride

1-(4-Hydroxyphenyl)-2-(1-methyl-2-phenoxy-ethylamino)propan-1-ol hydrochloride



Synthesis of Hydralazine Hydrochloride

1- Hydrazinophthalazine monohydrochloride



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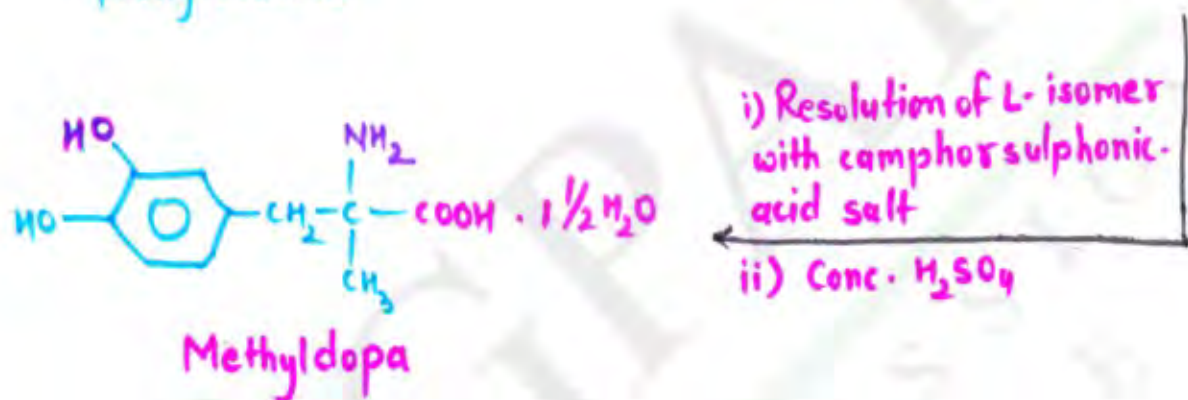
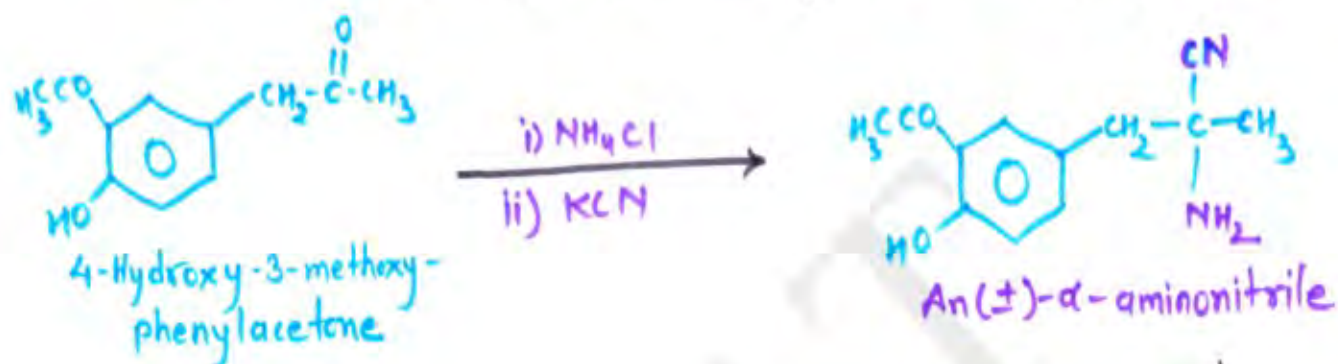


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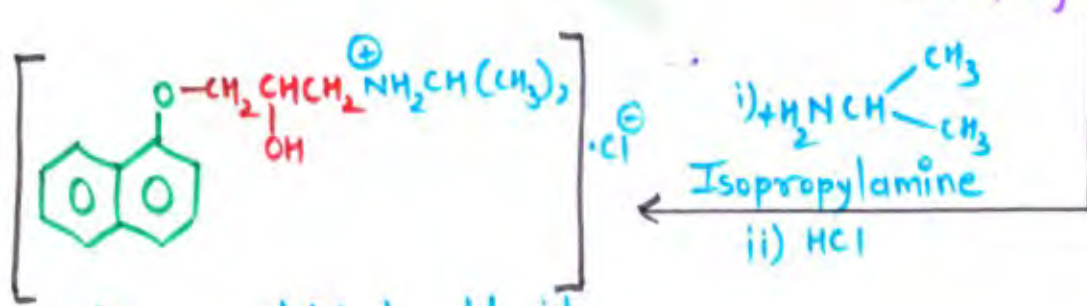
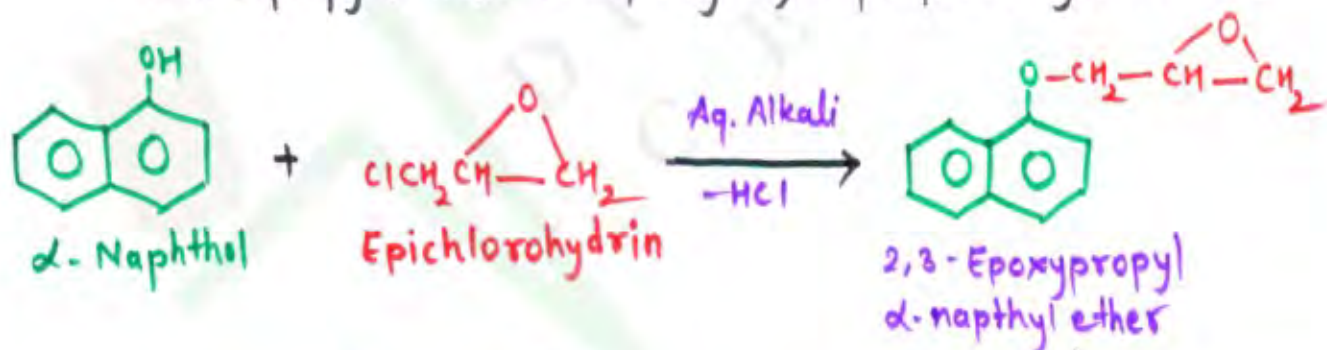
Synthesis of Methyldopa

L-3-(3,4-Dihydroxyphenyl)-2-methylalanine sesquihydrate



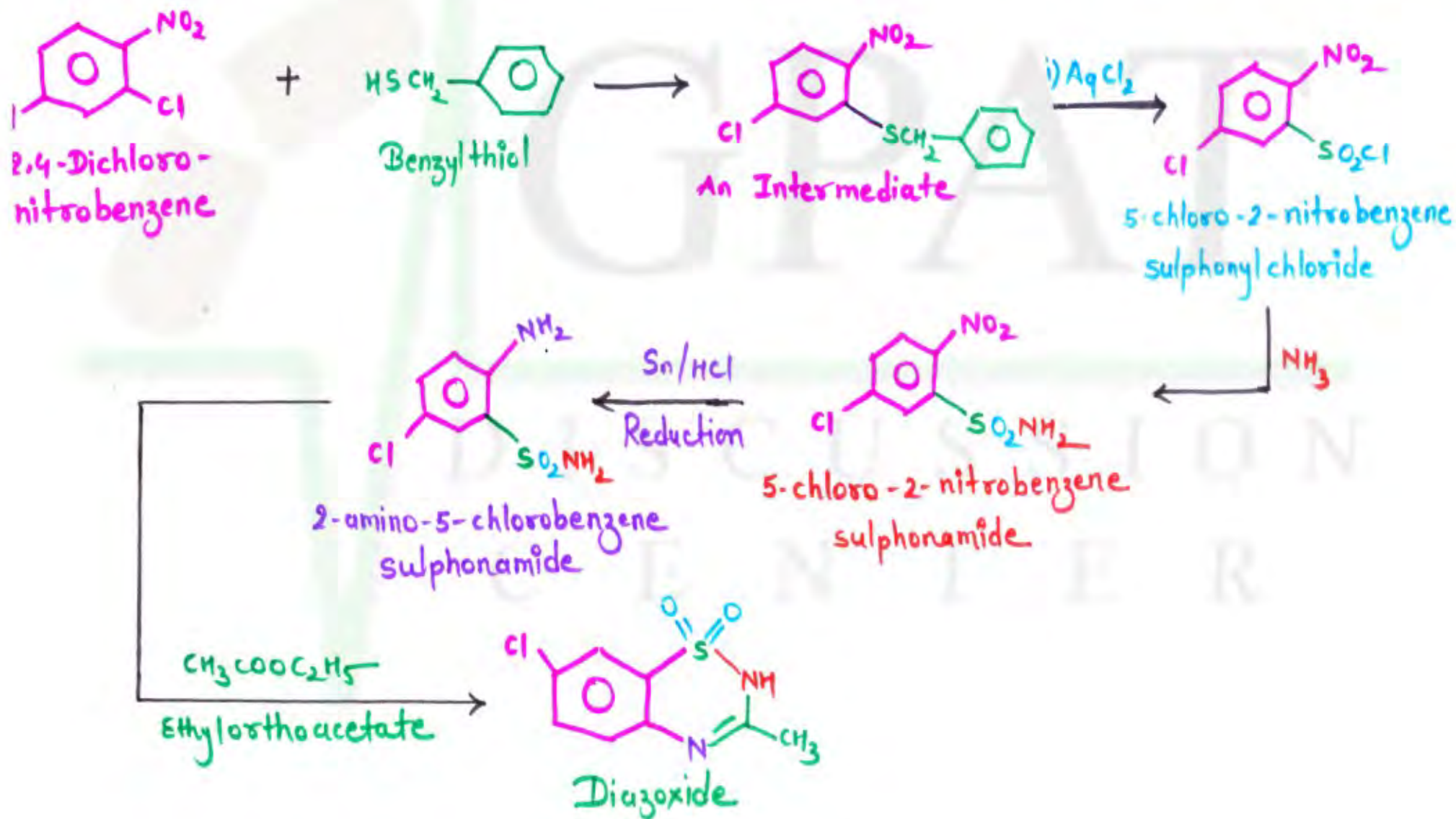
Synthesis of Propranolol

1-(Isopropylamino)-3-(1-naphthyl)oxy-2-propanol hydrochloride



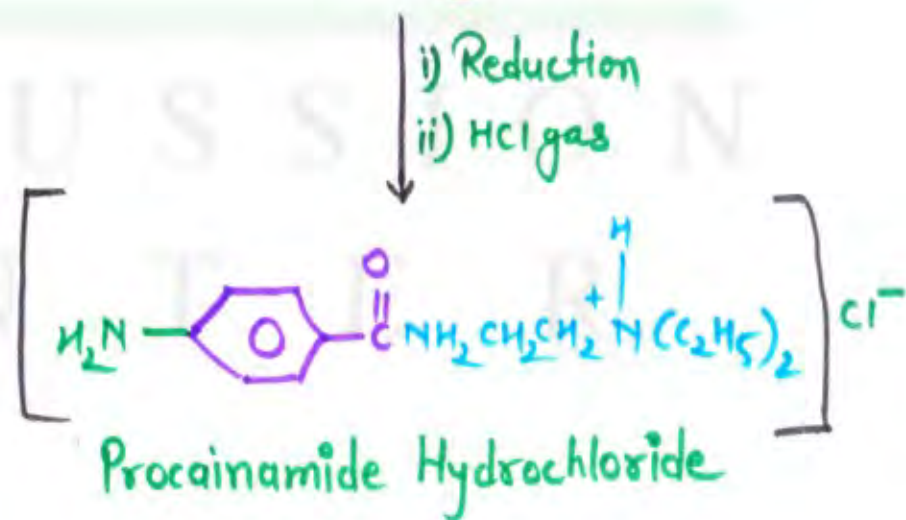
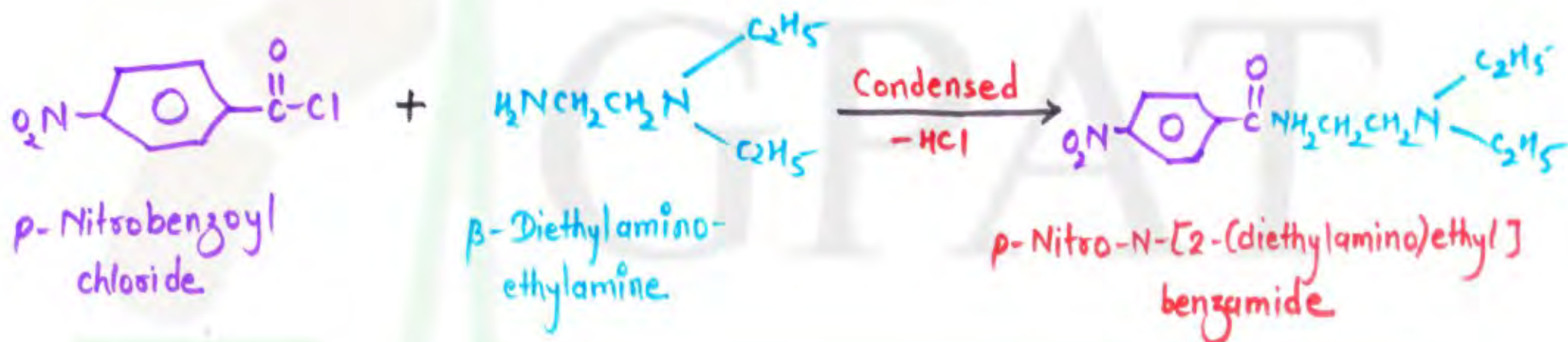
Synthesis of Diazoxide

7-chloro-3-methyl-2H-1,2,4-benzothiadiazine 1,1-dioxide



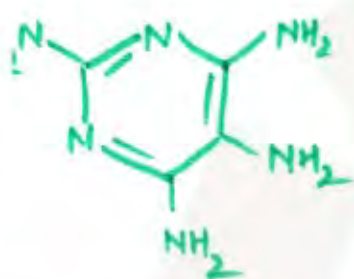
Synthesis of Procainamide Hydrochloride

p-amino-N-[2-diethylamino)-ethyl] benzamide hydrochloride

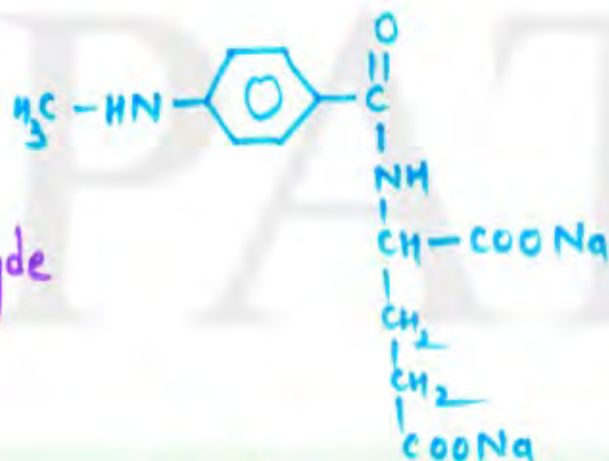
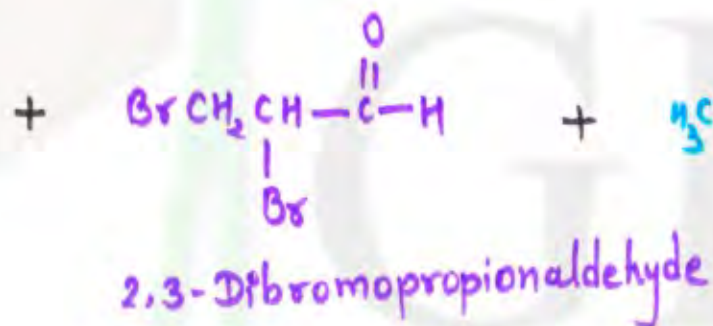


Synthesis of Methotrexate

N-[4-[[2,4-Diamino-6-pteridiny]methyl]methylamino]benzoyl]-L-glutamic acid

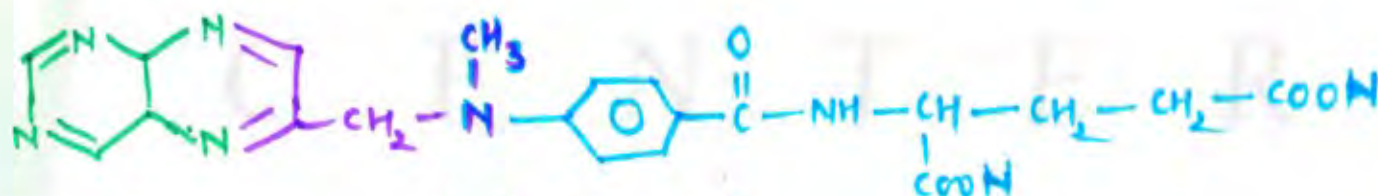


5,6-Tetraminopyrimidine



Disodium p-(methyl-amino benzoyl)-glutamate

lime water



Methotrexate



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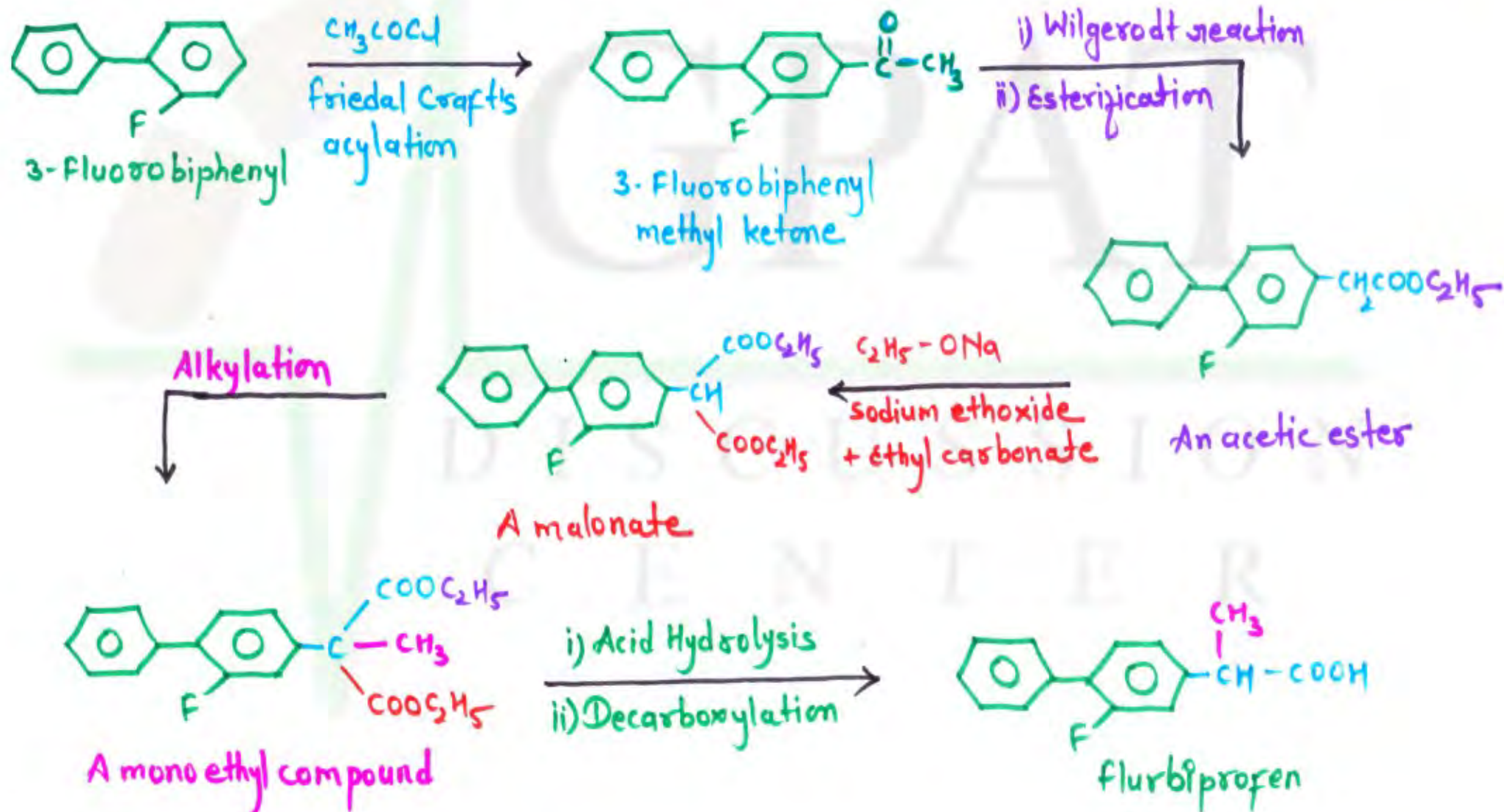
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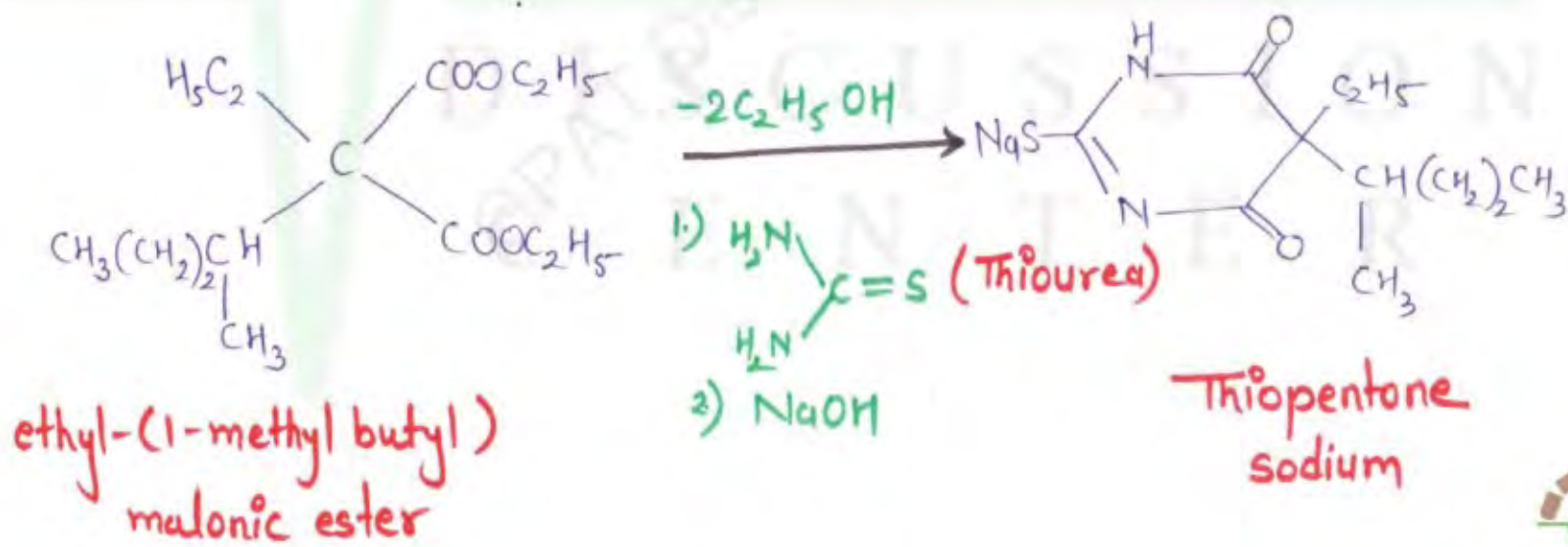
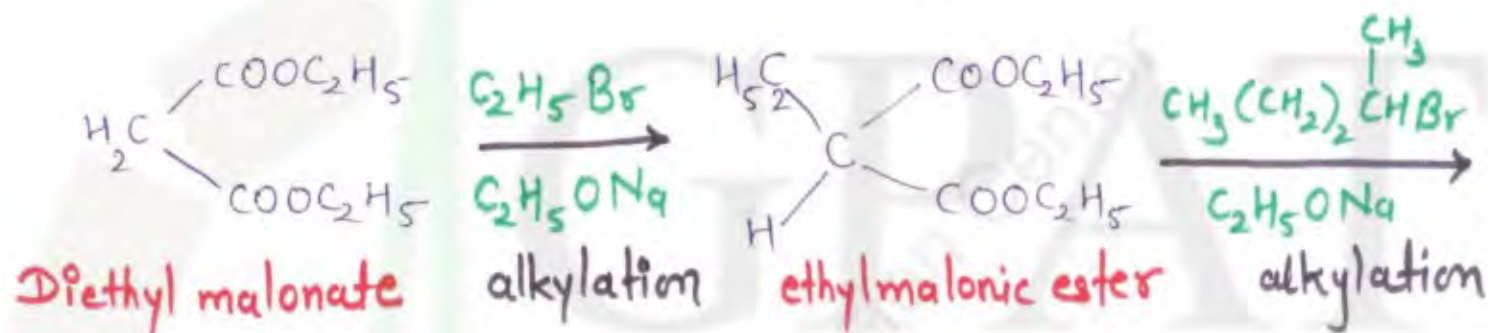
Synthesis of flurbiprofen

2-(2-fluorobiphenyl-4-yl) propionic acid



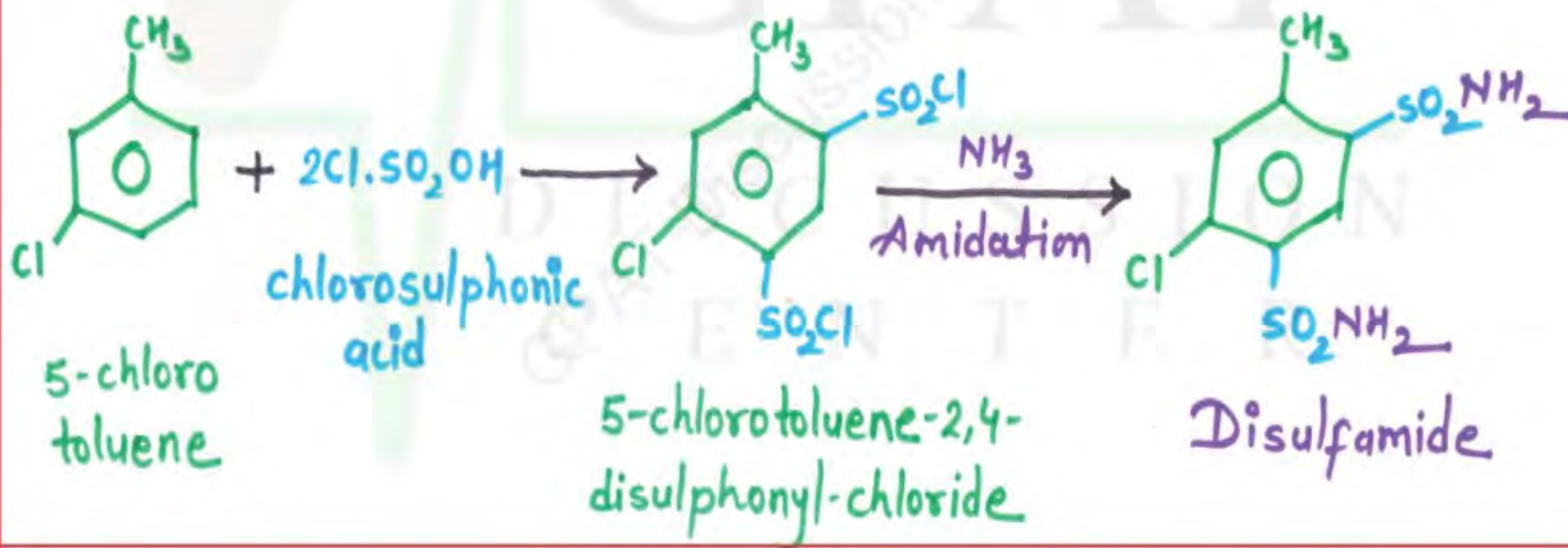
SYNTHESIS of THIOPENTONE SODIUM

5-ethyl-5-(1-methylbutyl)-2-thiobarbiturate



Synthesis of Disulfamide

5-Chlorotoluene-2,4-disulphonamide



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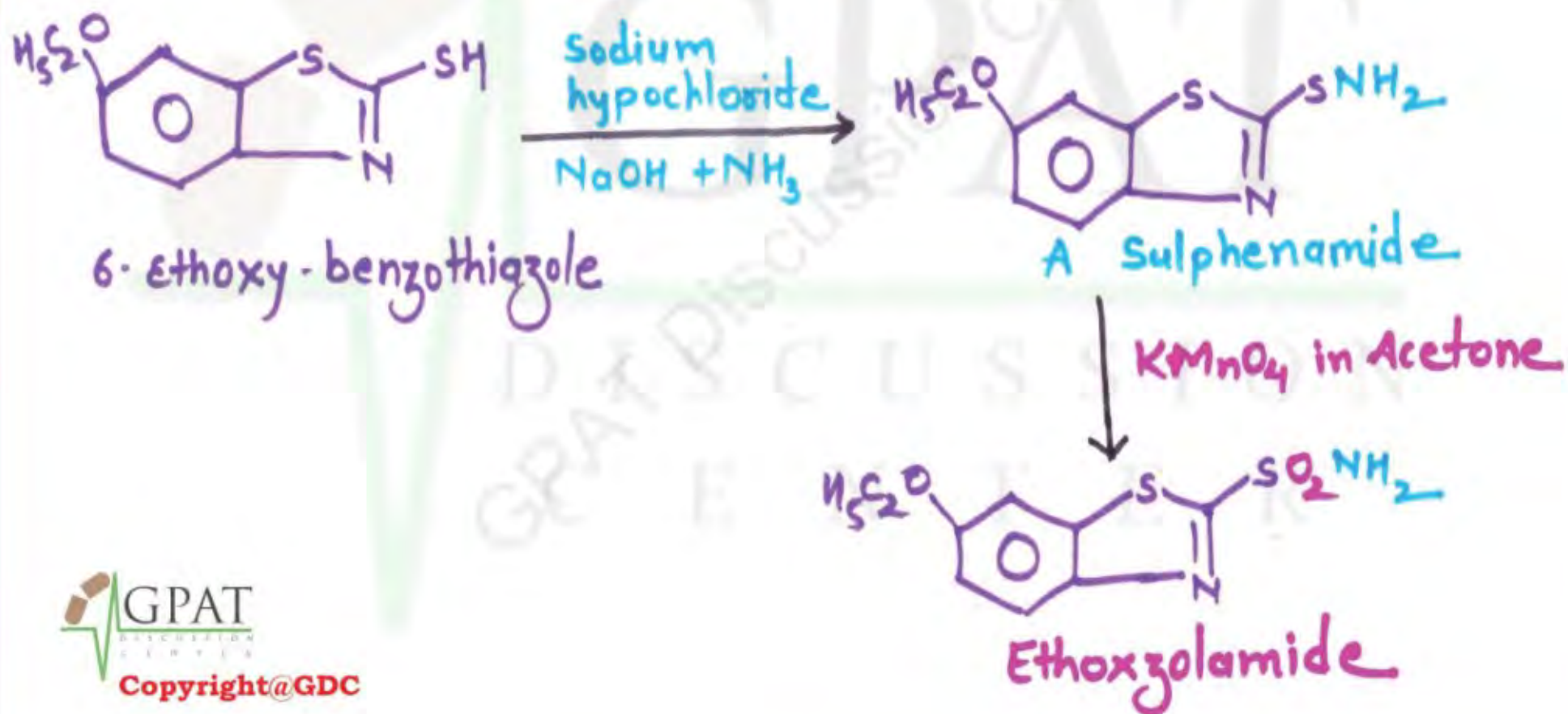
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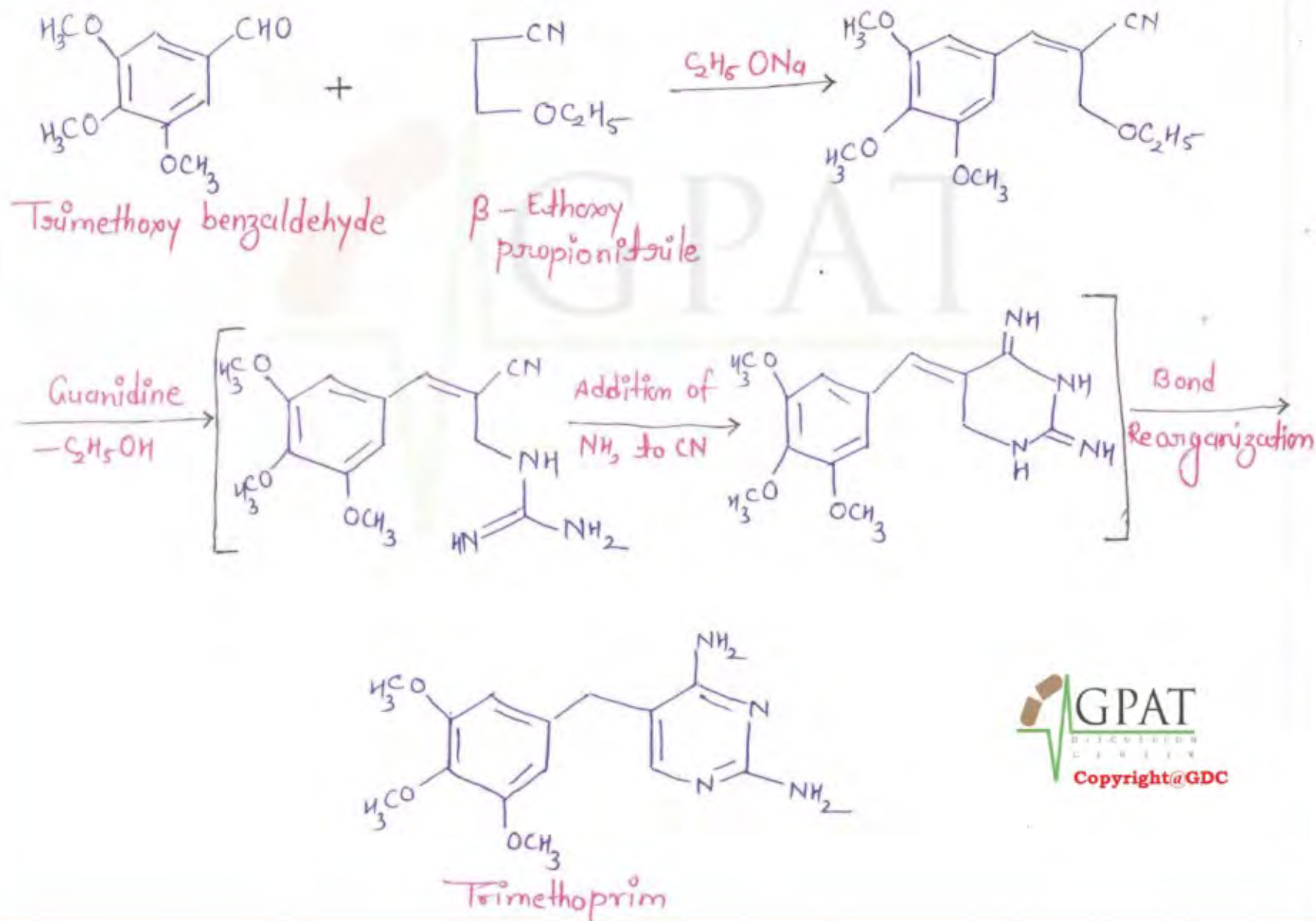
Synthesis of Ethoxzolamide

6-Ethoxy-2-benzothiazolesulphonamide



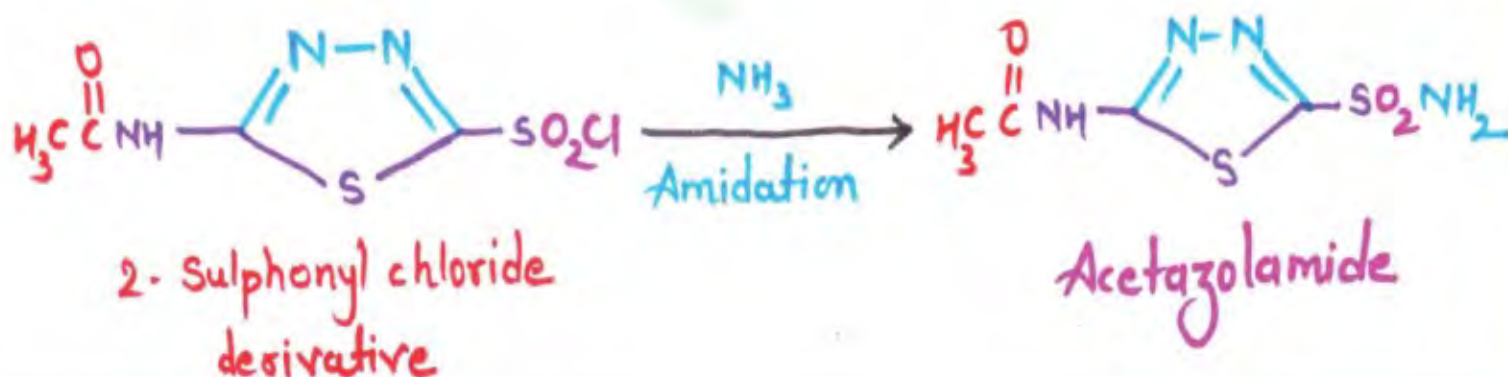
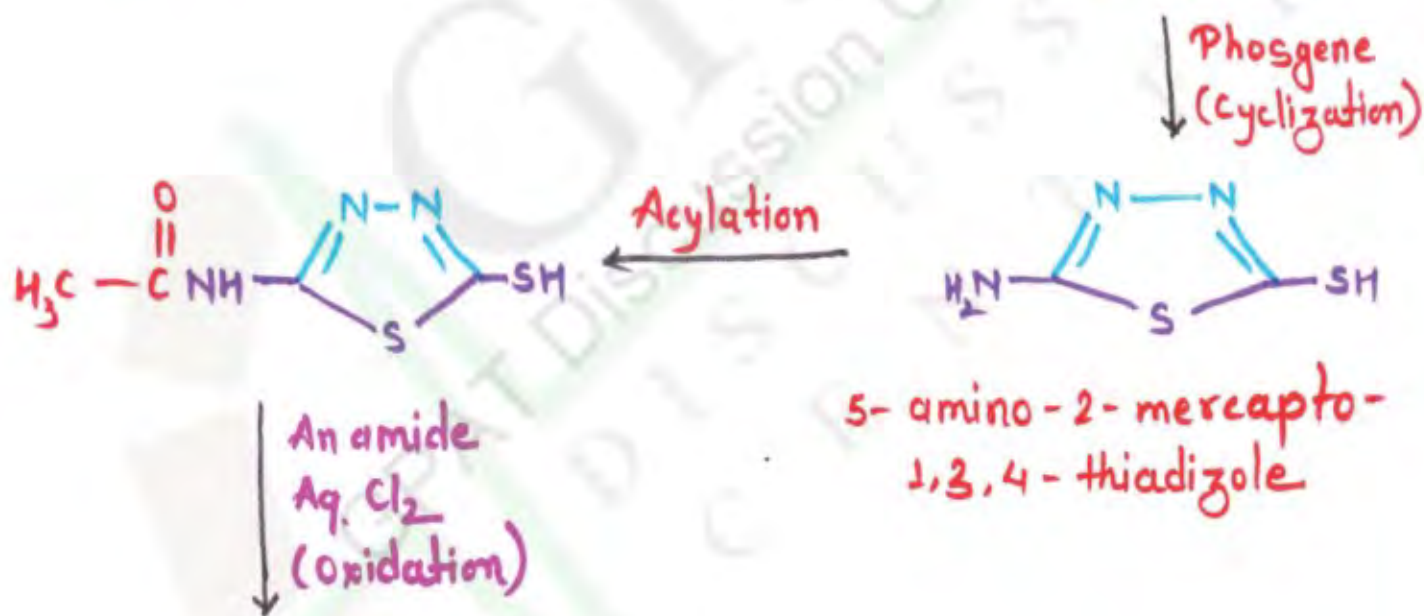
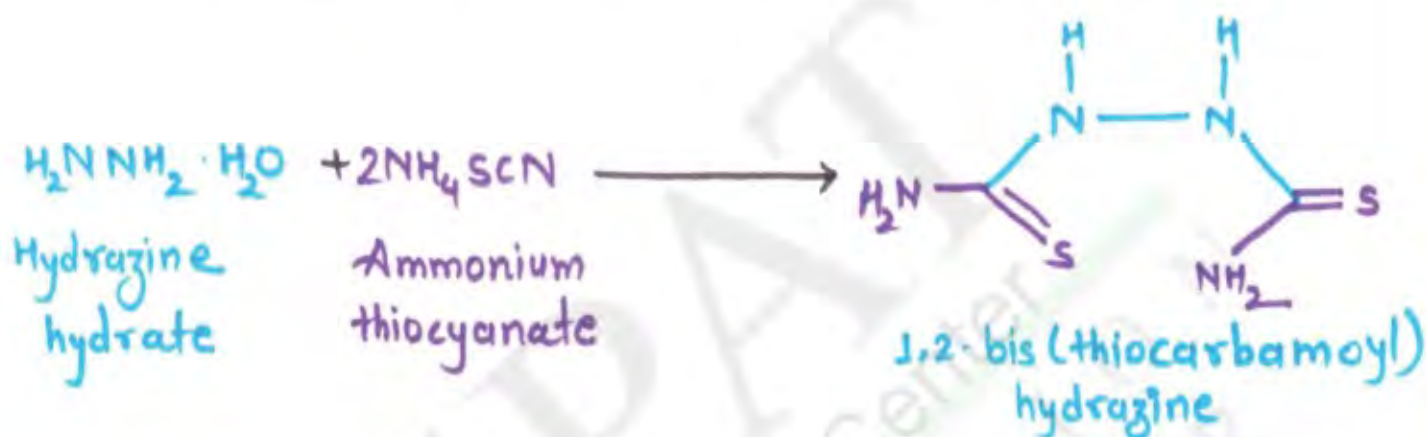
SYNTHESIS of TRIMETHOPRIM

2,4-Diamino - 5-(3',4',5'-trimethoxy benzyl) pyrimidine



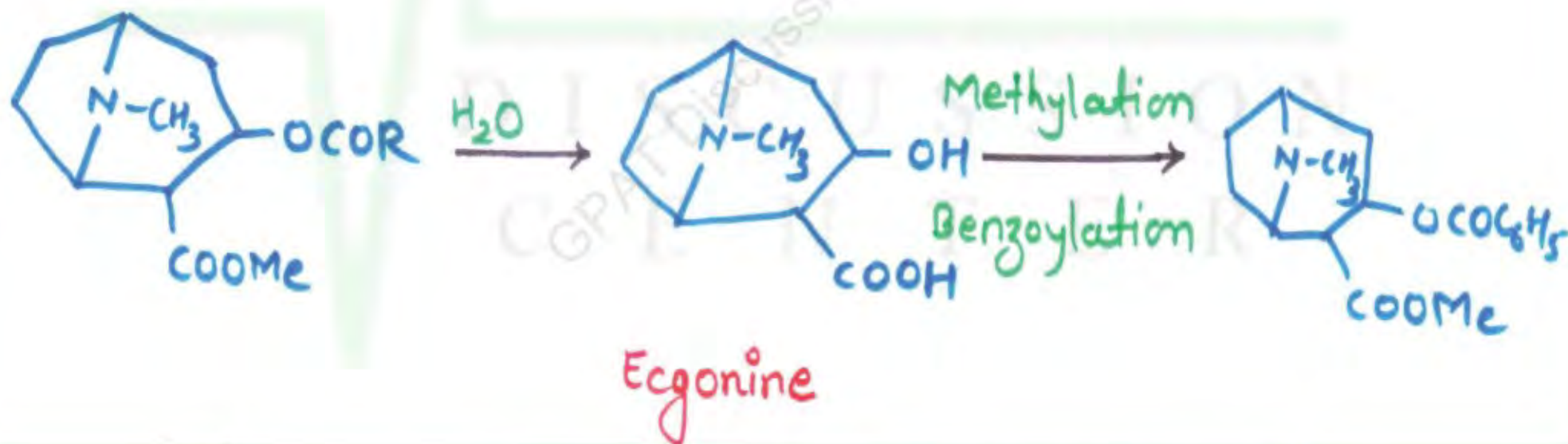
Synthesis Of Acetazolamide

N-(5-Sulfamoyl-1,3,4-thiadiazol-2-yl) acetamide



SYNTHESIS OF COCAINE

(-)-3-(Benzyloxy)-8-methyl-8-azabicyclooctane-
-2-carboxylic acid methyl ester



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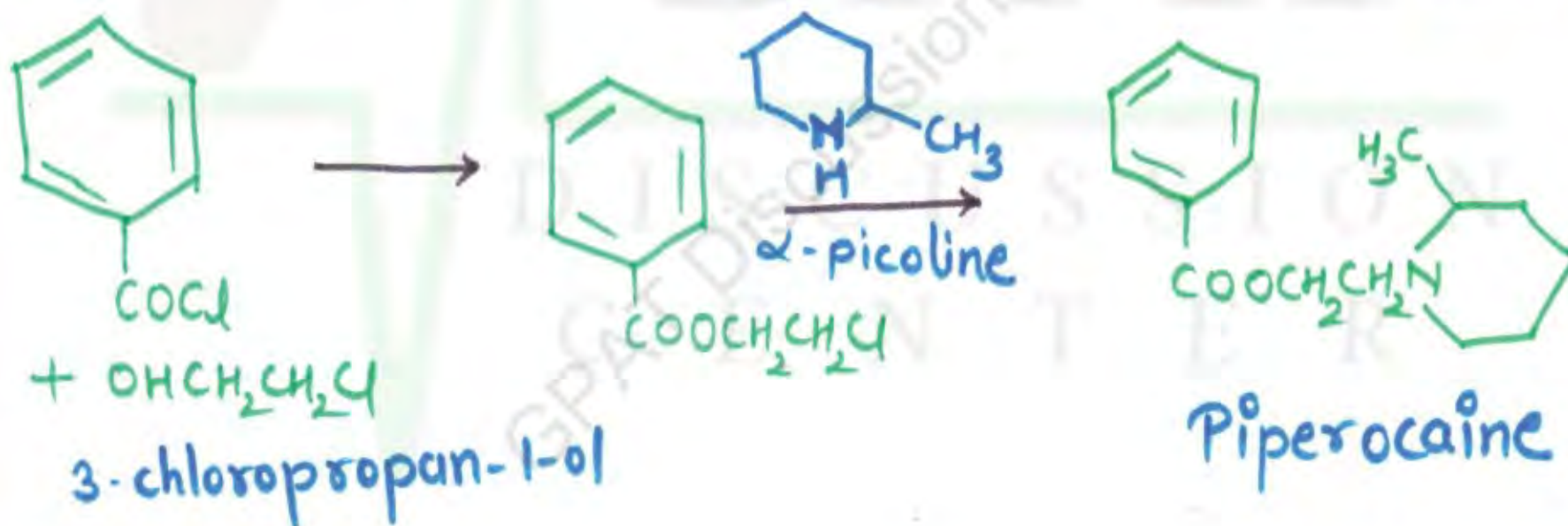
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SYNTHESIS of Piperocaine Hydrochloride

3-(2-methyl piperidino) propyl benzoate



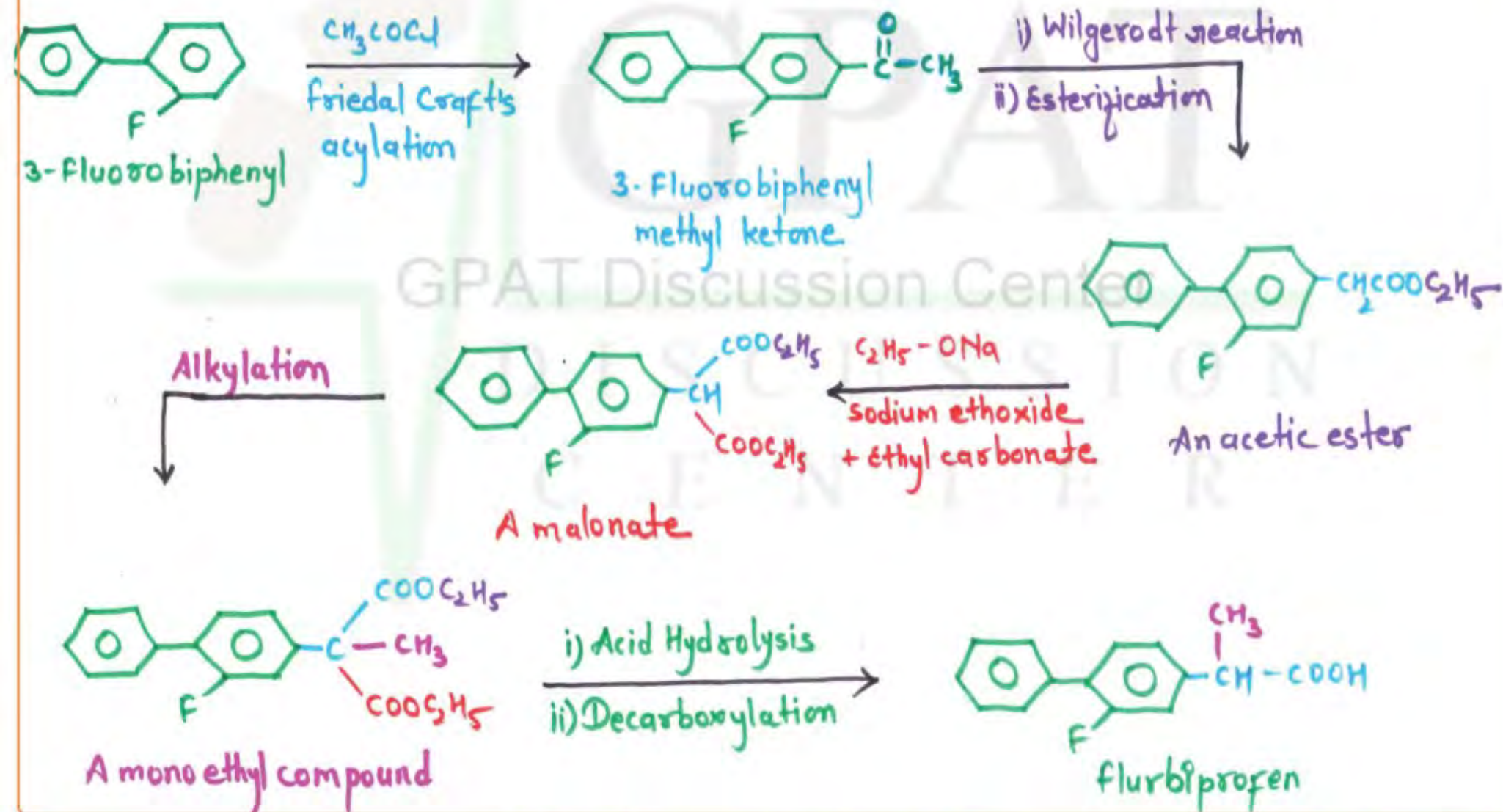
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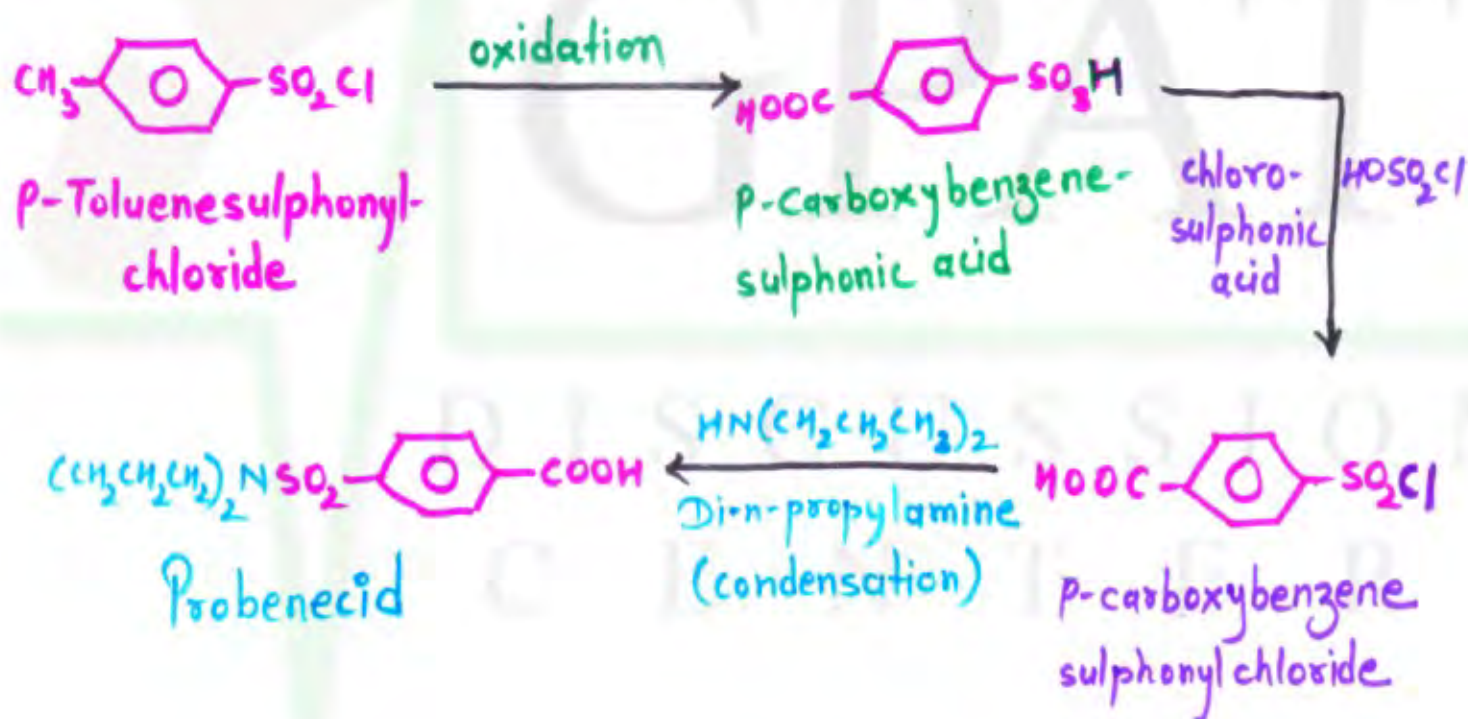
Synthesis of flurbiprofen

2-(2-fluorobiphenyl-4-yl) propionic acid



Synthesis of Probenecid

Benzoic acid, 4-[(dipropylamino)sulfonyl]






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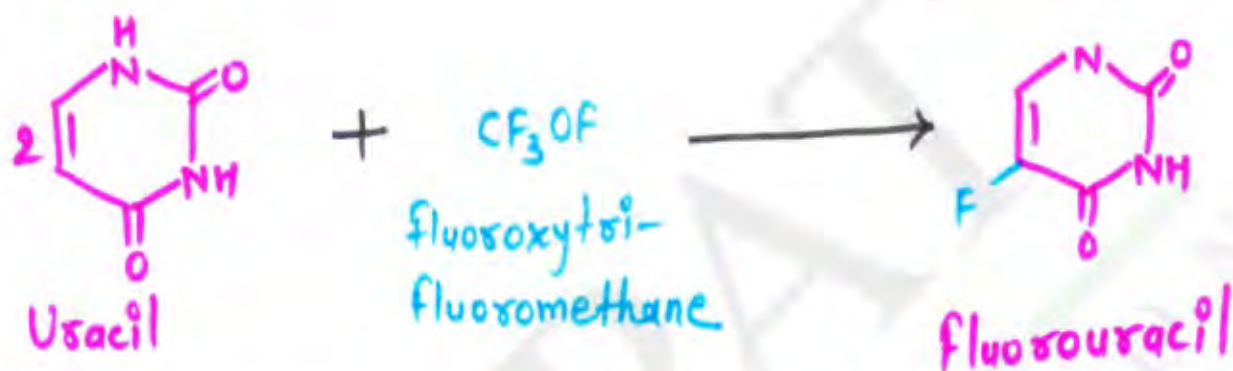
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Synthesis of Fluorouracil

5-Fluoro-2,4(1H,3H)-pyrimidinedione

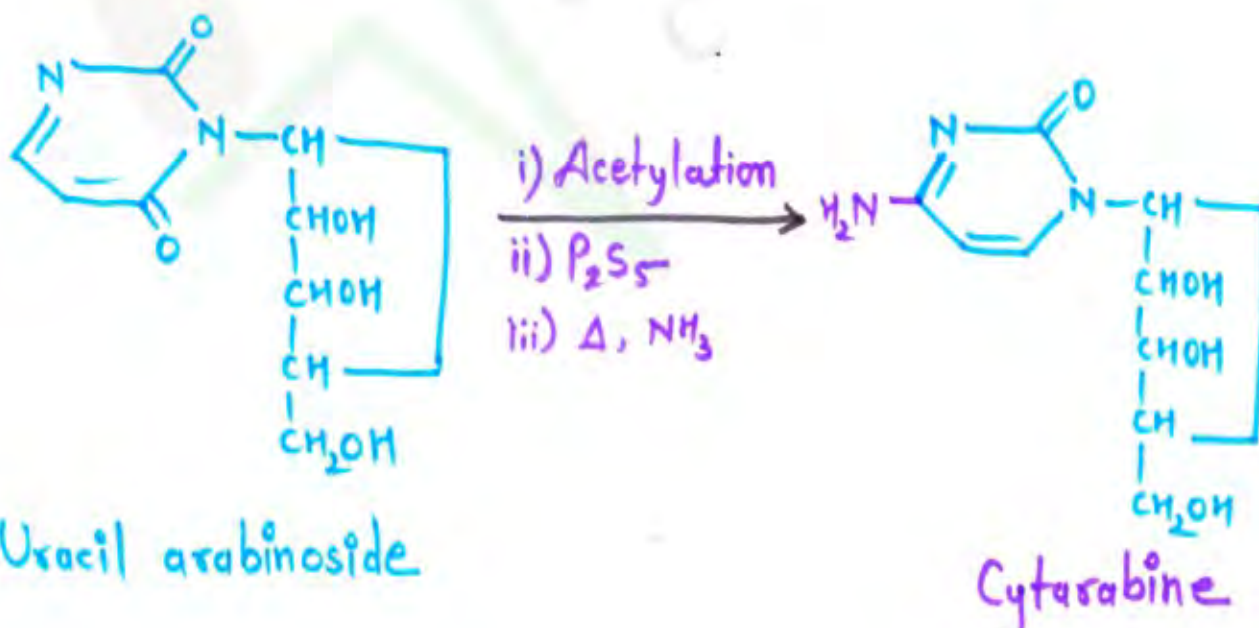


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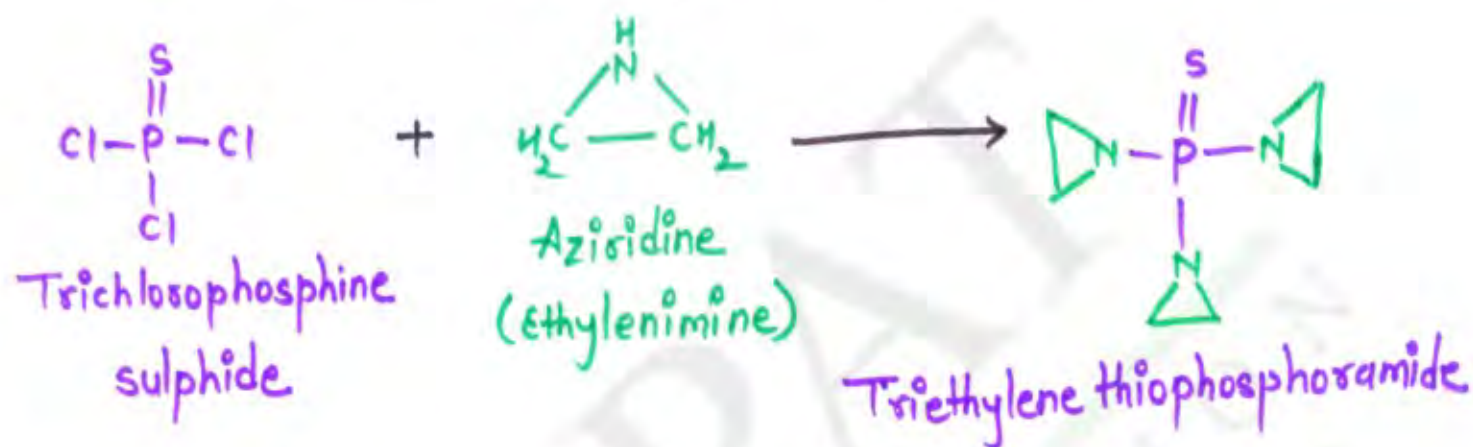
Synthesis of Cytarabine

o-amino-4-arabino furanosyl-1-oxo-2 dihydro-1,2-pyrimidine



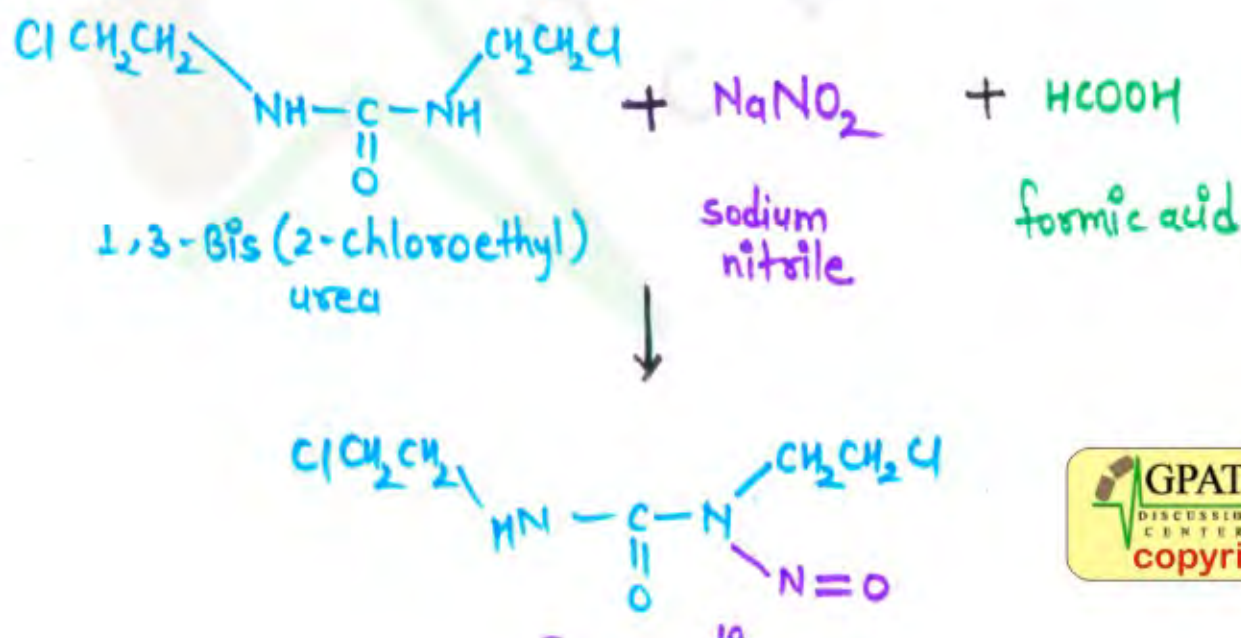
Synthesis of Triethylenethiophosphoramide

N, N', N''- Triethylenethio-phosphoramidate



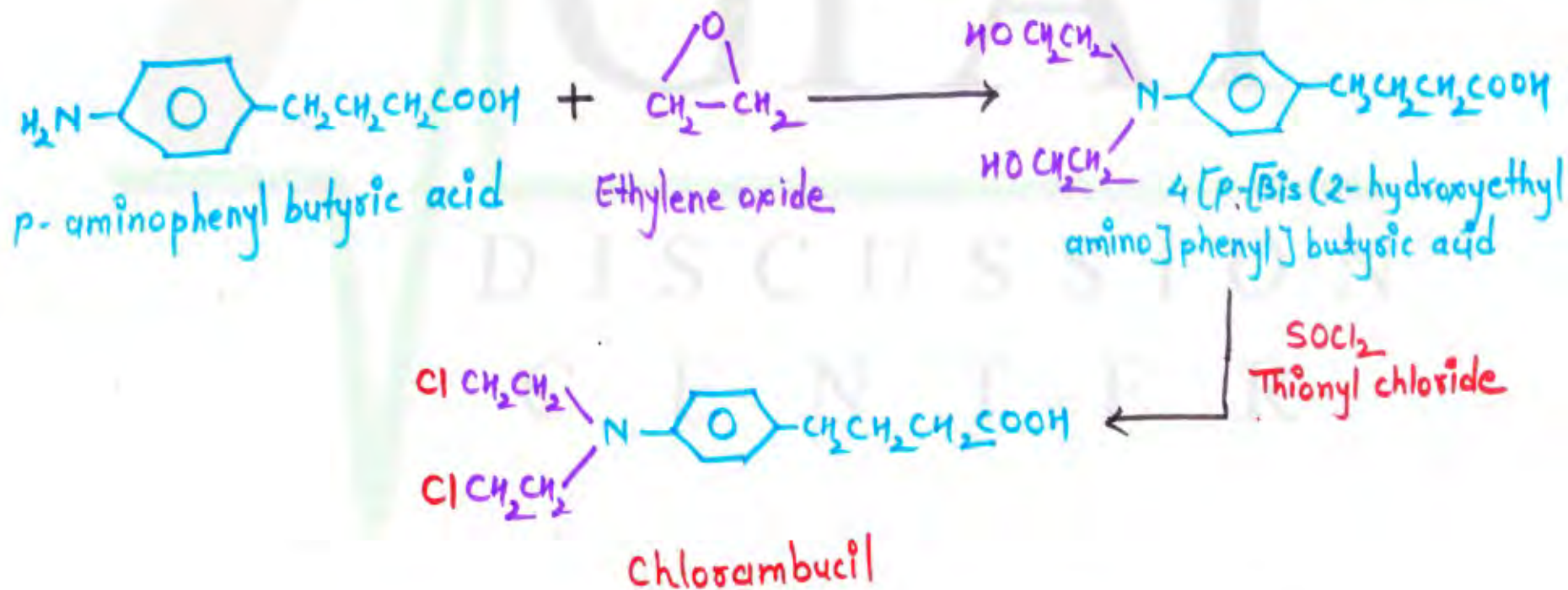
Synthesis of Carmustine

1,3-Bis(2-chloroethyl)-1-nitrosourea



Synthesis of Chlorambucil

4-[p-Bis (2-chloroethyl)amino]phenyl] butyric acid



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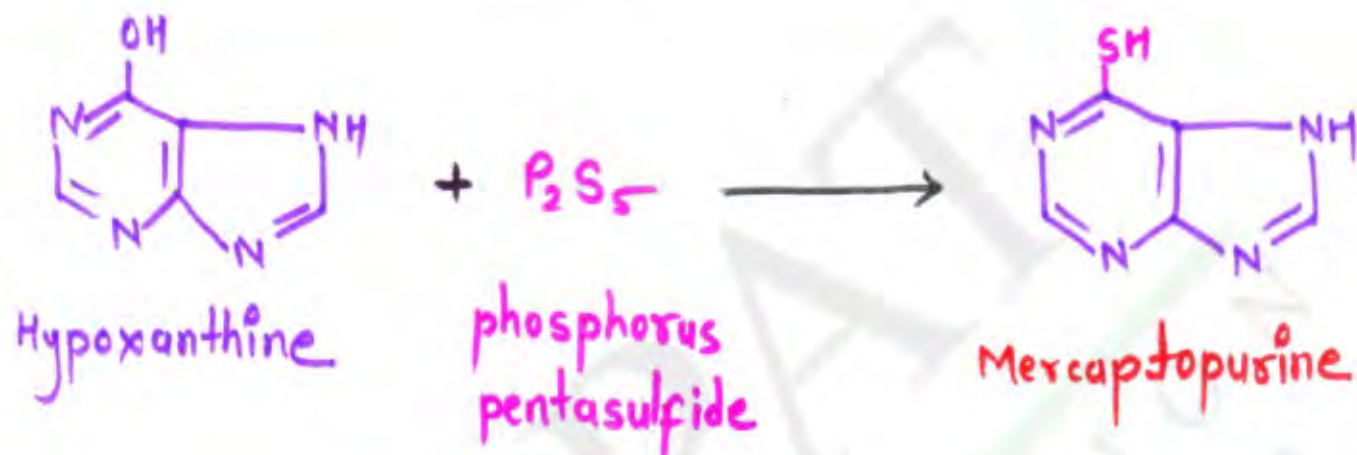


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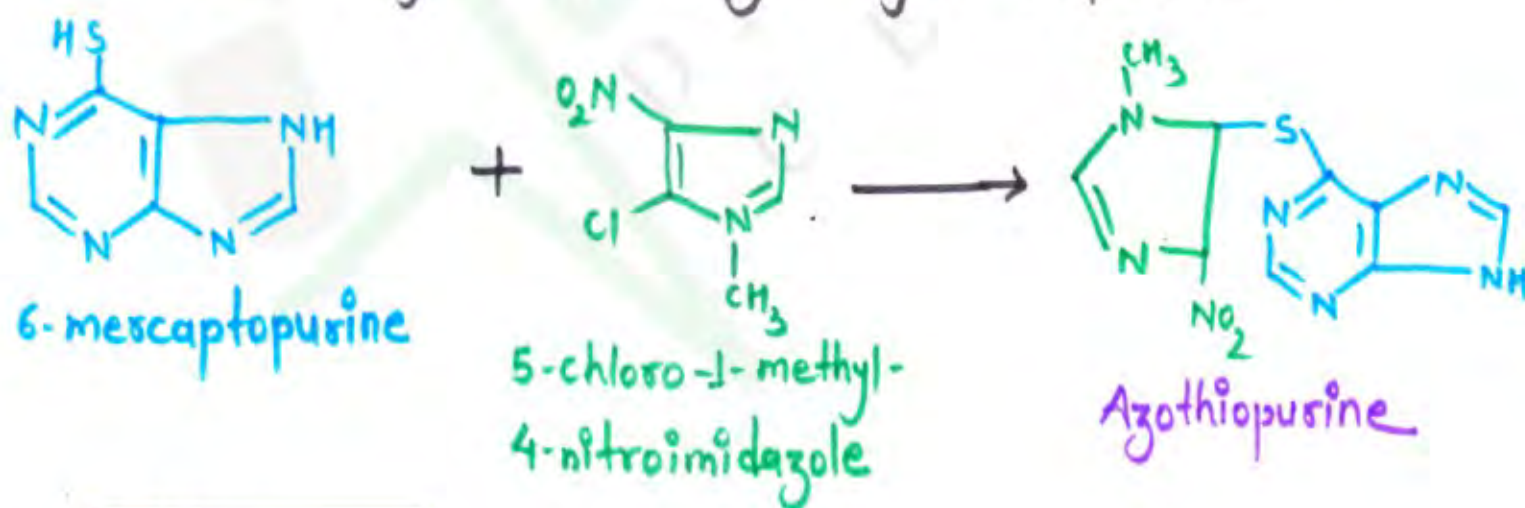
Synthesis of Mercaptopurine

0-Mercapto - 6 - purine



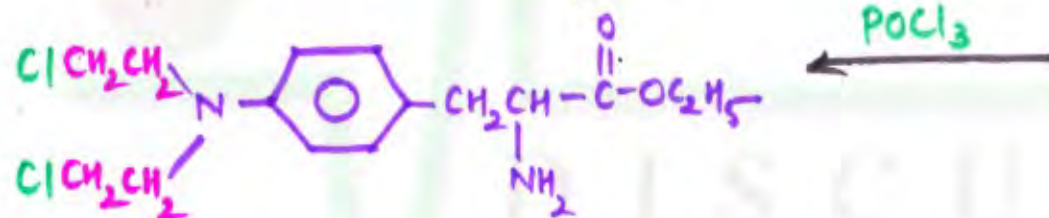
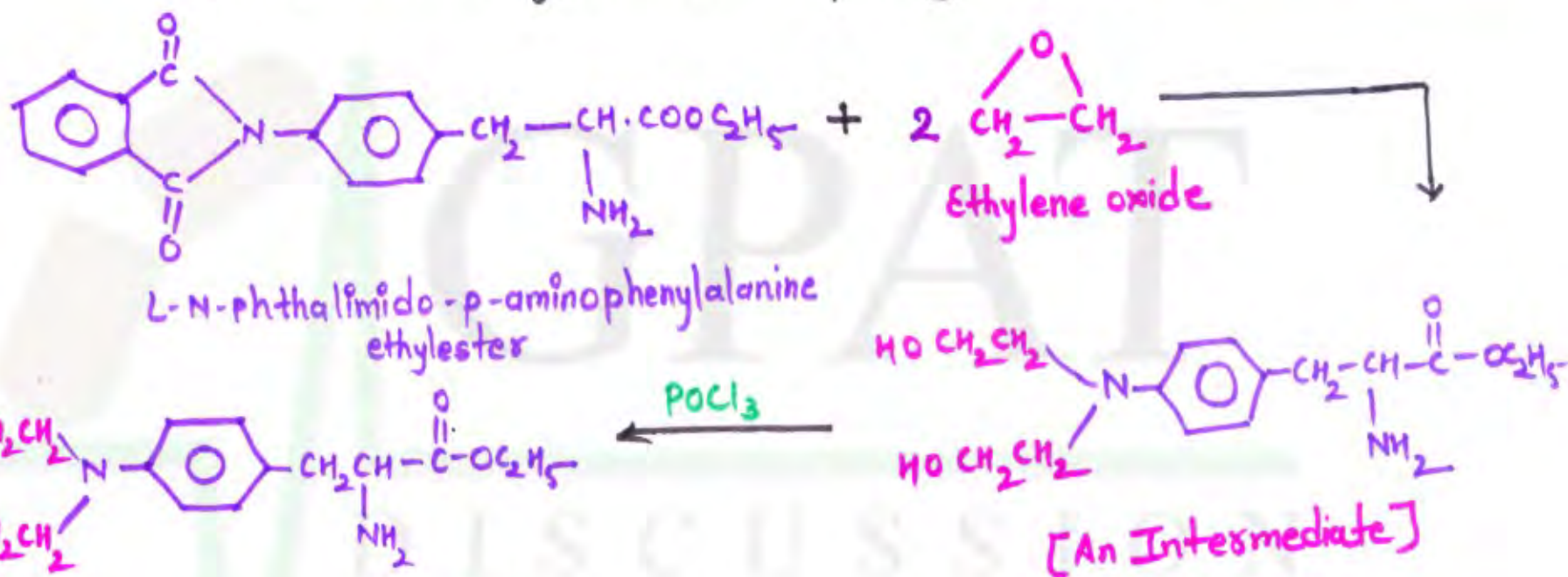
Synthesis of Azathiopurine

6-[1-Methyl-4-nitroimidazole-5yl]thio]purine

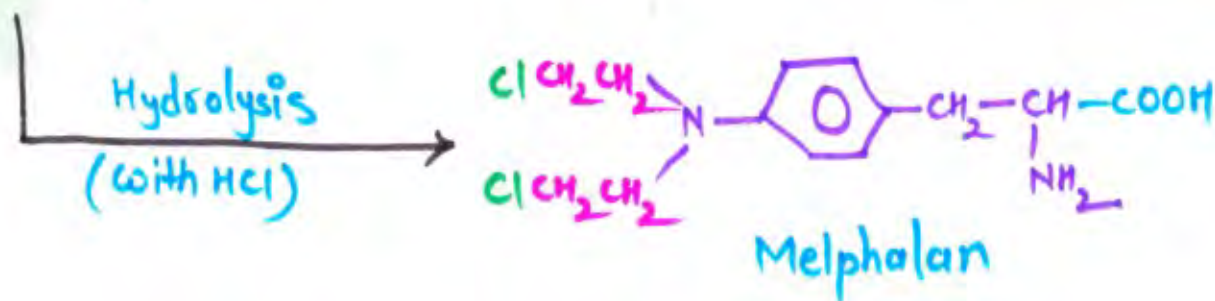


Synthesis of Melphalan

4-[Bis(2-chloroethyl)amino]-L-phenylalanine

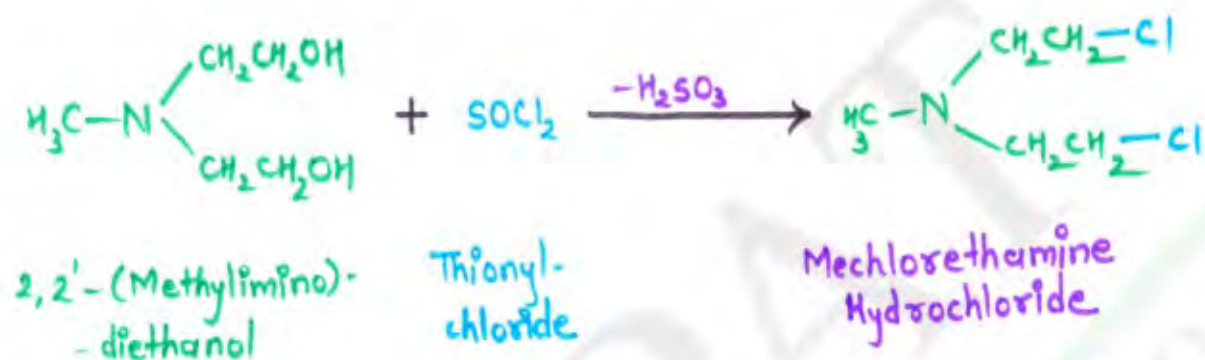


4-[Bis(2-chloroethyl)-amino]-
L-phenylalanine ethylester



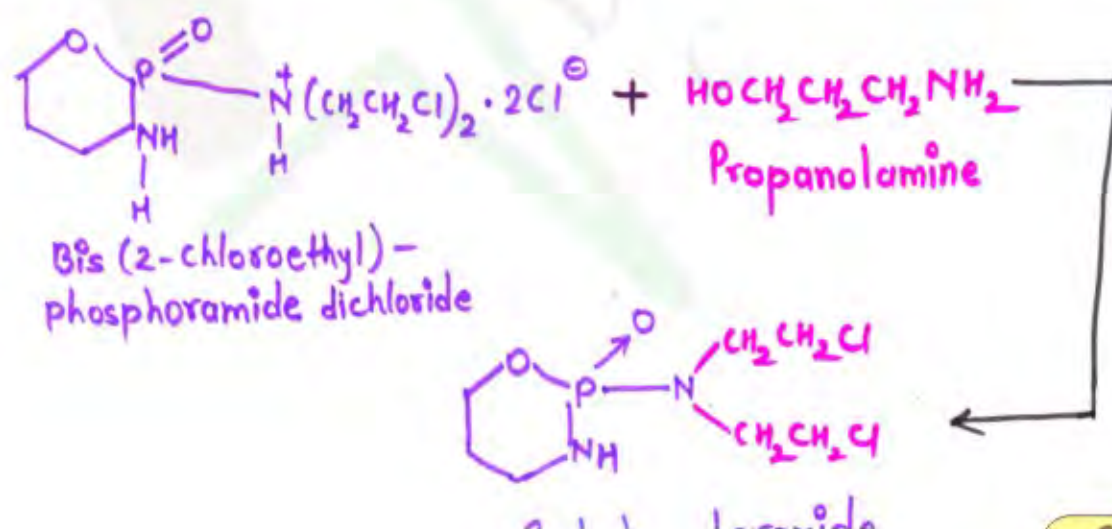
Synthesis of Mechlorethamine

2, 2 - Dichloro - N - methyl diethyl amin hydrochloride



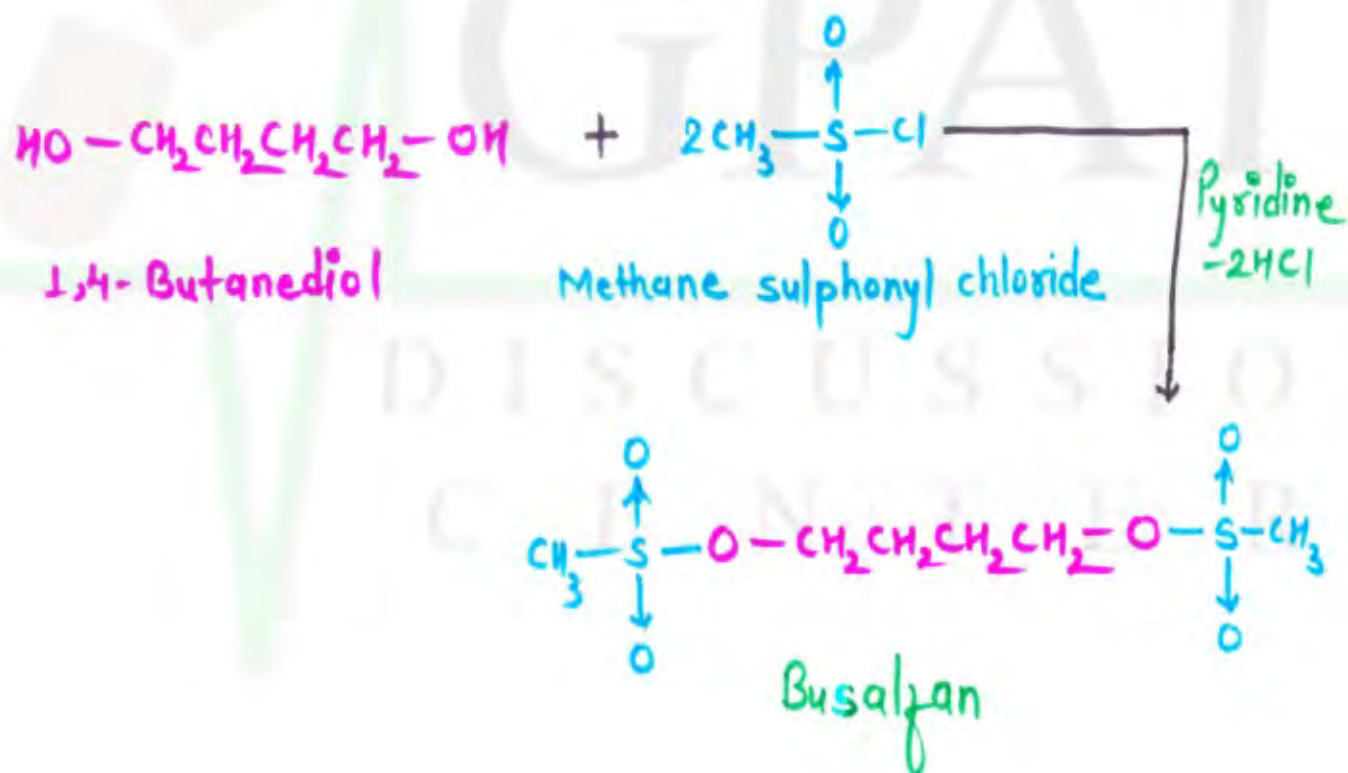
Synthesis of Cyclophosphamide

N, N - Bis (2 - chloroethyl) Tetrahydro - 2H - 1, 1, 3, 2 - oxazaphosphorin - 2 - amine - 2 - oxide



Synthesis Of Busalzan

1-4-Butanediol dimethanesulphonate



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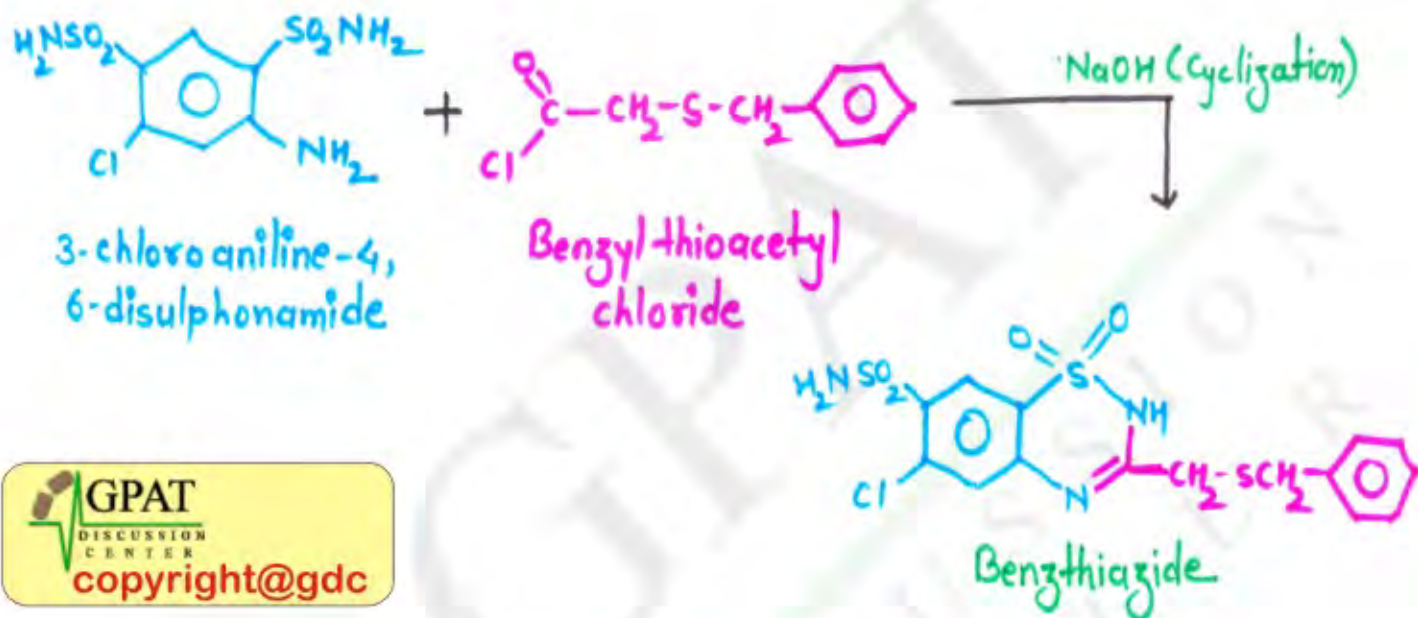
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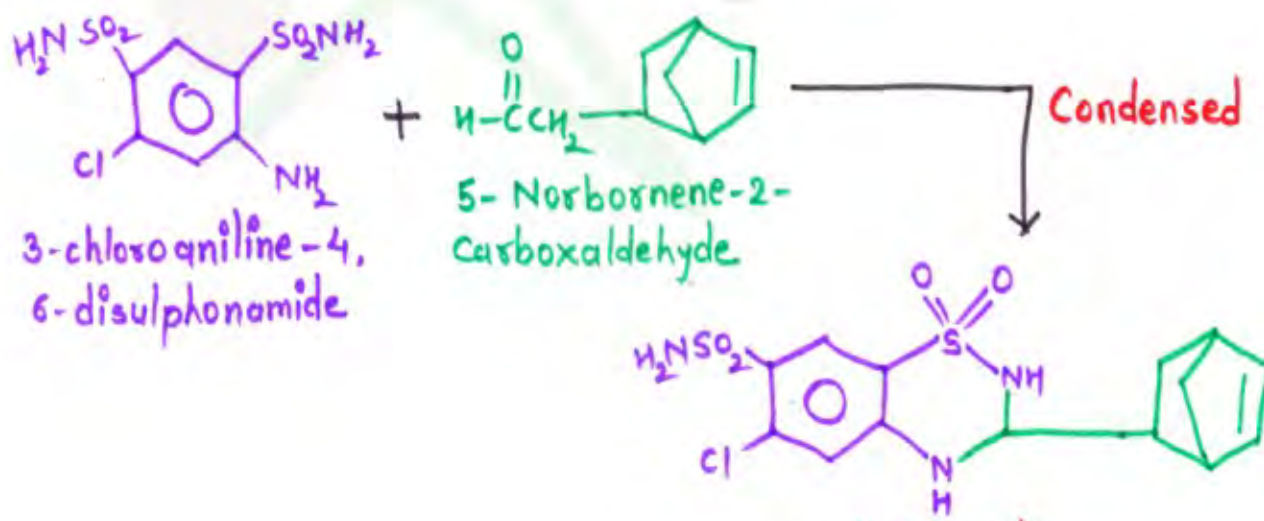
Synthesis of Benzthiazide

3-[(Benzylthio)methyl]-6-chloro-2H-1,2,4-benzothiadiazine-7-sulphonamide 1,1-dioxide



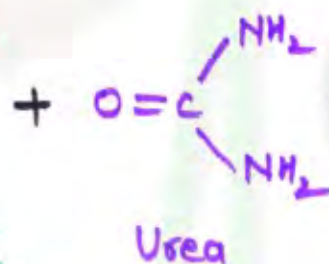
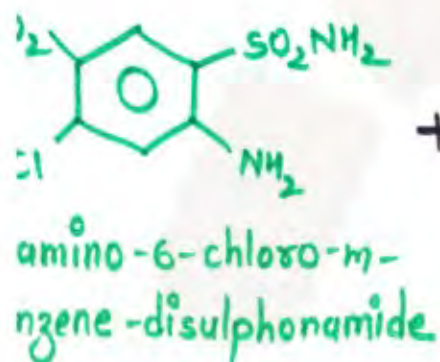
Synthesis of Cyclothiazide

6-chloro-3,4-dihydro-3-(5-norbornene-2-yl)-2H-1,2,4-benzothiadiazine-7-sulphonamide 1,1-dioxides

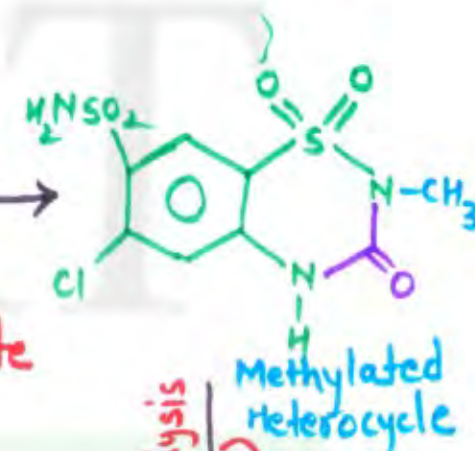
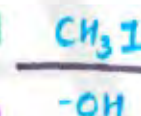
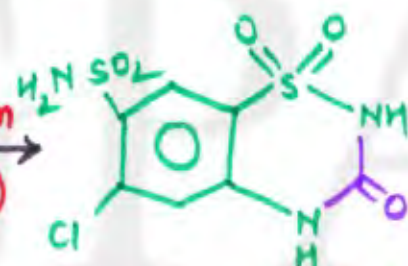


Synthesis of Polythiazide

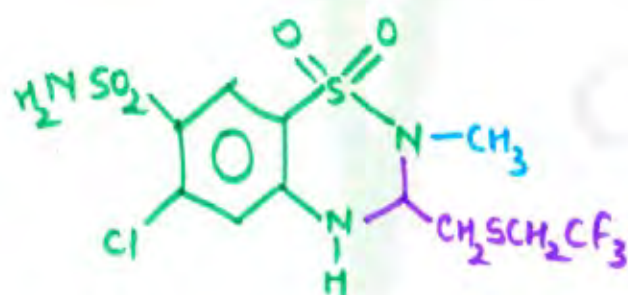
1-chloro-3,4-dihydro-2-methyl-3-[(2,2,2-trifluoroethyl)thio]methyl]-2H-1,2,4-benzothiadiazine-7-sulphonamide 1,1-dioxide

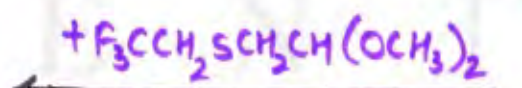


Condensation
(cyclization)

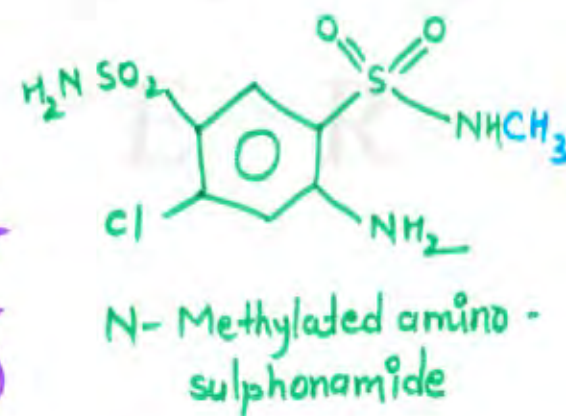


hydrolysis
(Basic)



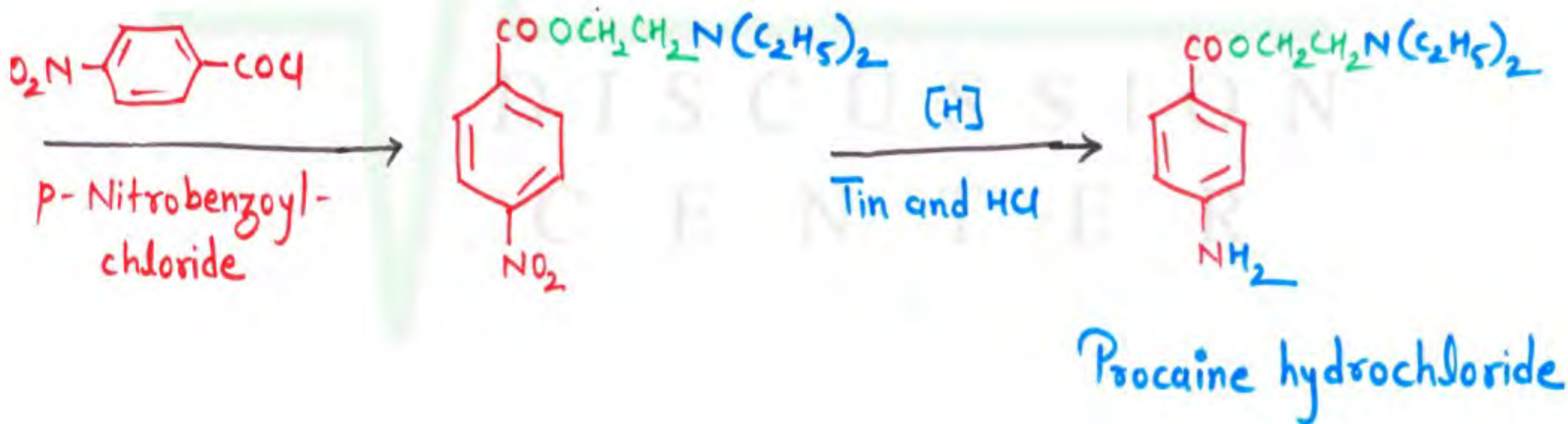
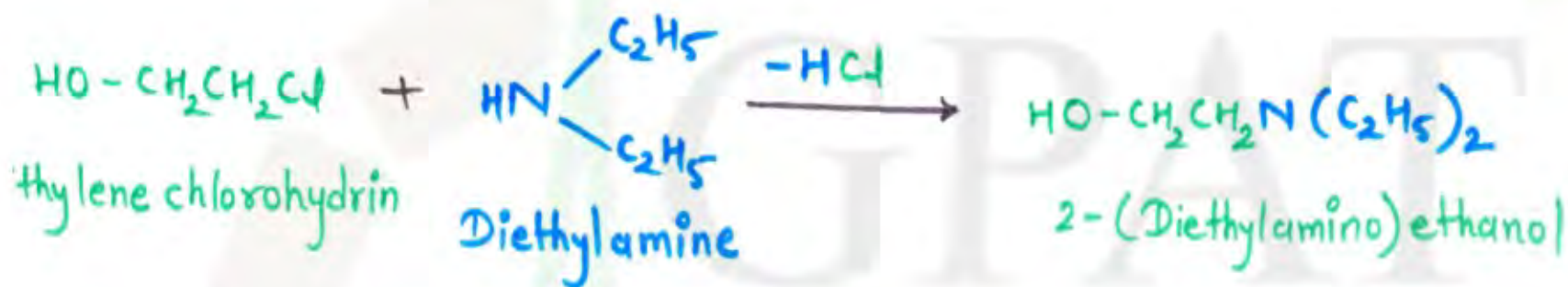


 Dimethylacetal of 2,2,2-
 trifluoroethyl mercapto-
 acetaldehyde (condensed)



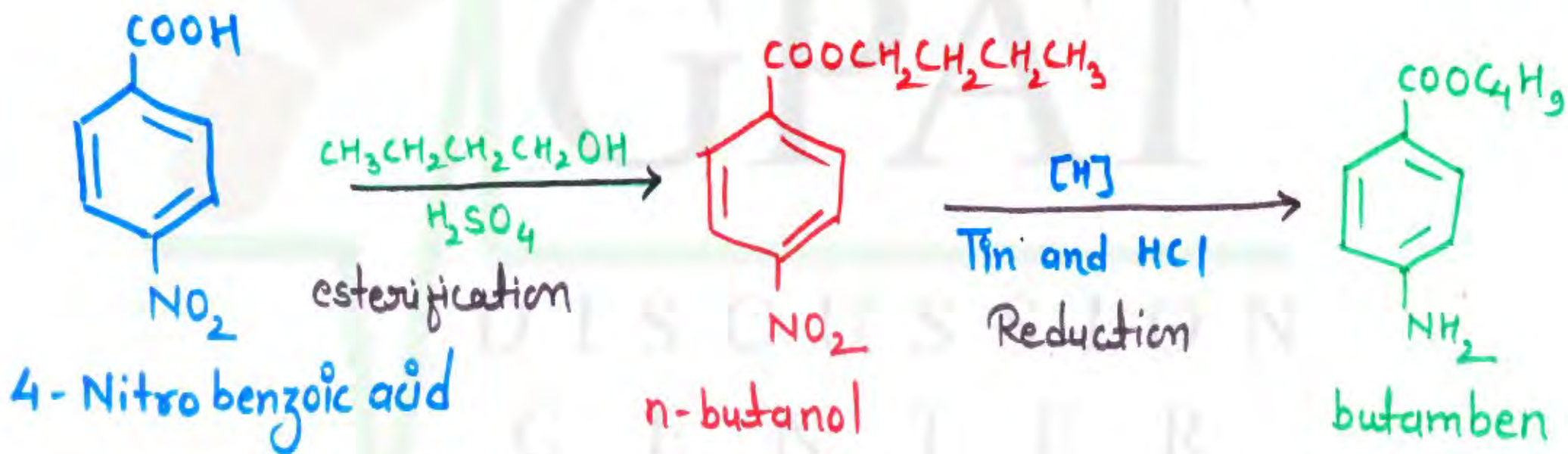
SYNTHESIS OF PROCAINE HYDROCHLORIDE

2-(Diethylamino)ethyl-p-aminobenzoate



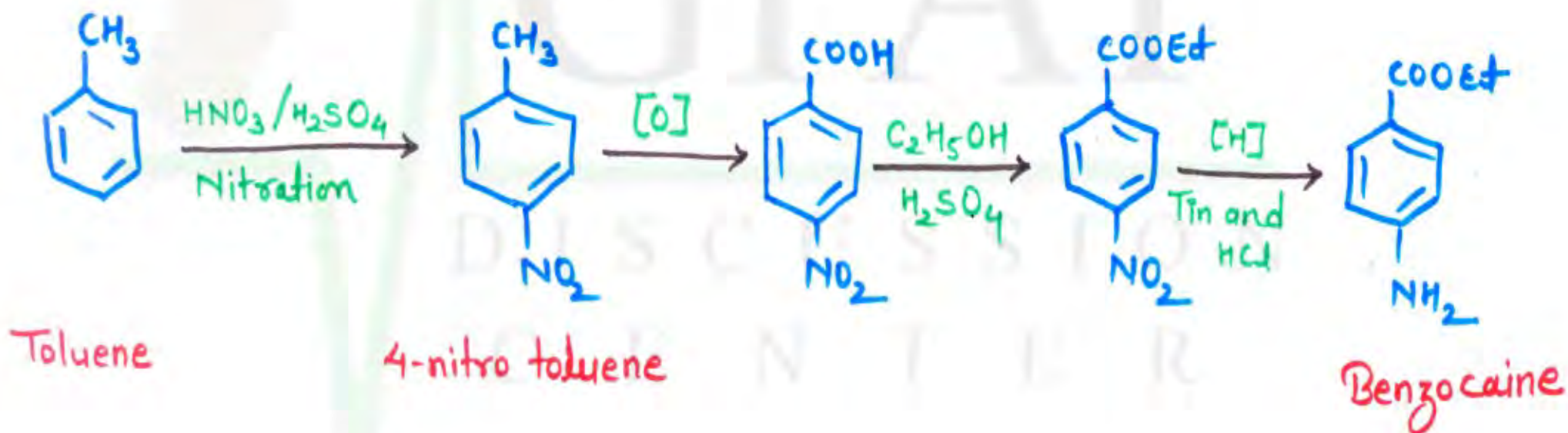
SYNTHESIS of BUTAMBEN

Butyl - p - aminobenzoate



SYNTHESIS OF BENZOCAINE

Ethyl - p - aminobenzoate



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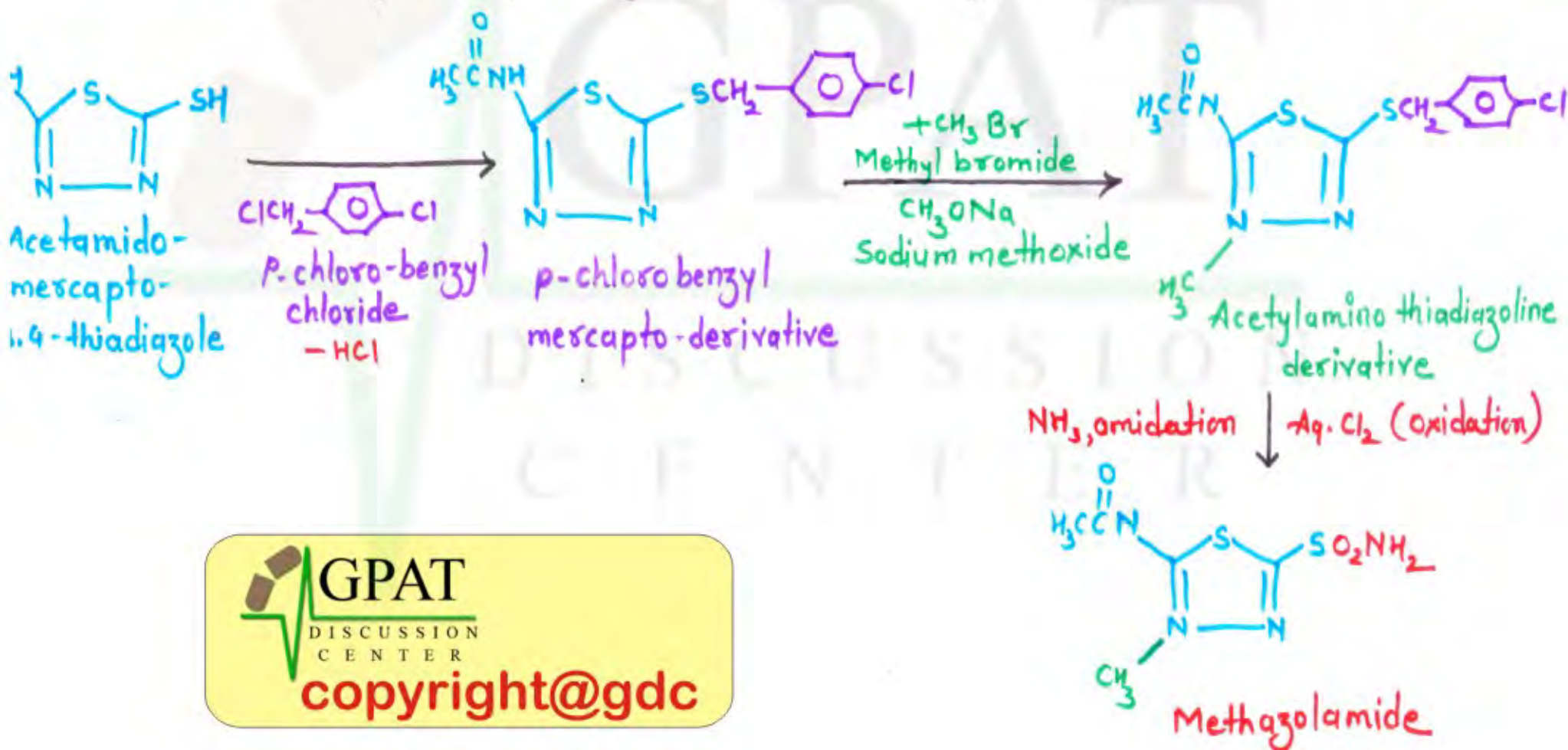


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Synthesis of Methazolamide

N-(4-methyl-2-sulphamoyl- Δ^2 -1,3,4-thiadiazolin-5-ylidene)acetamide



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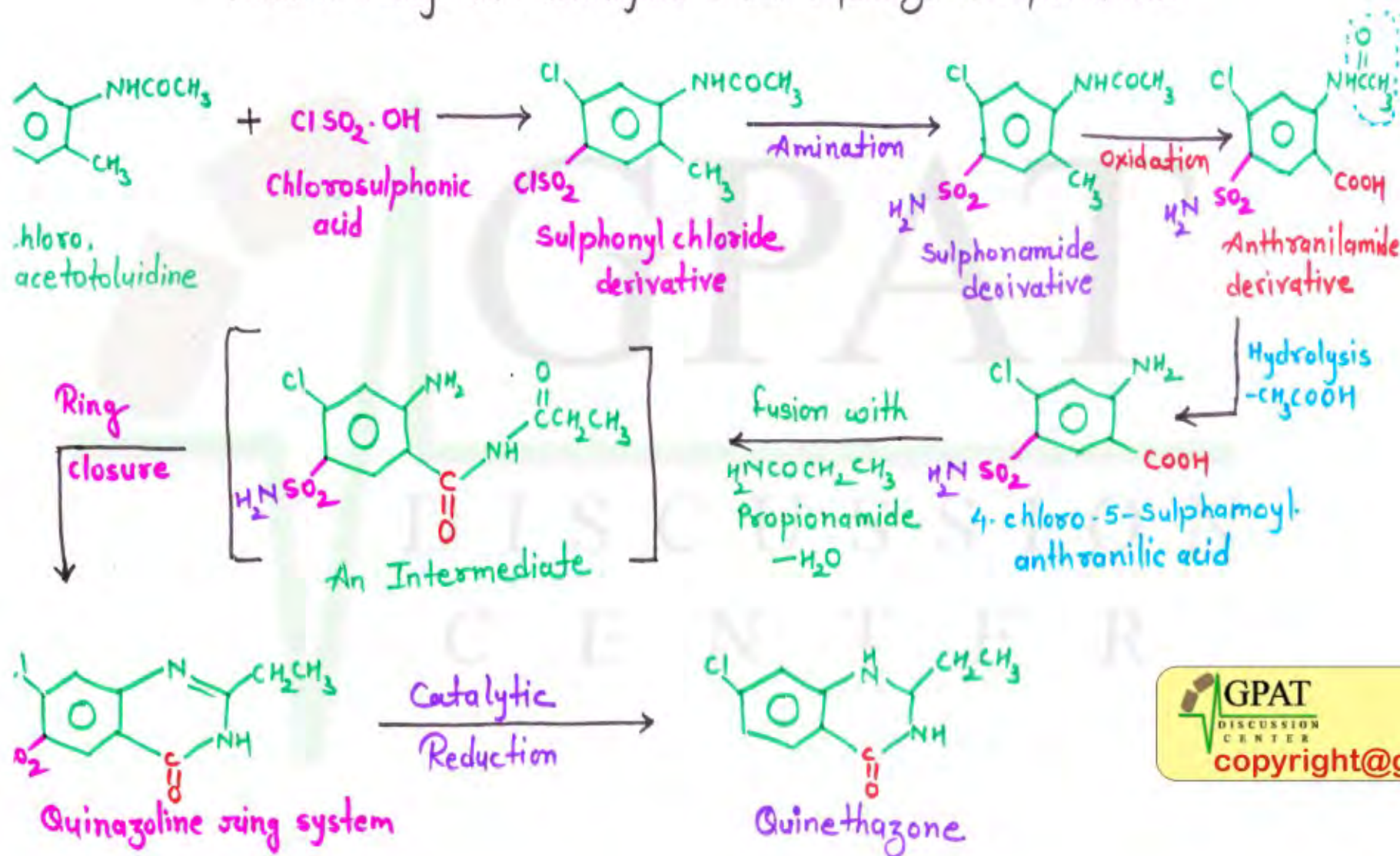
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Synthesis of Quinethazone

7-chloro-2-ethyl-1,2,4-tetrahydro-4-oxo-6-quinazoline sulphonamide

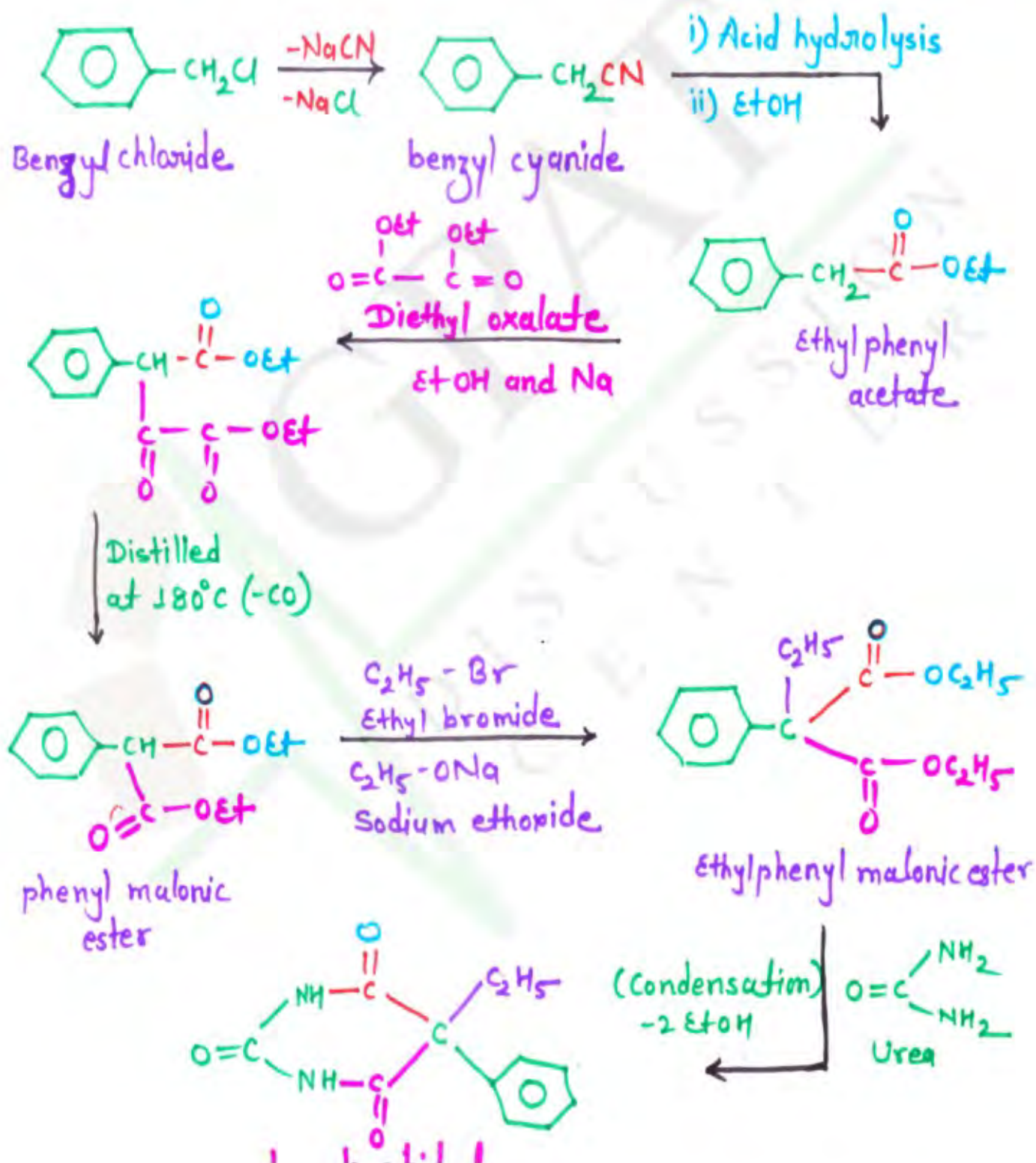


Synthesis of Phenobarbital

5-Ethyl-5-phenyl barbituric acid

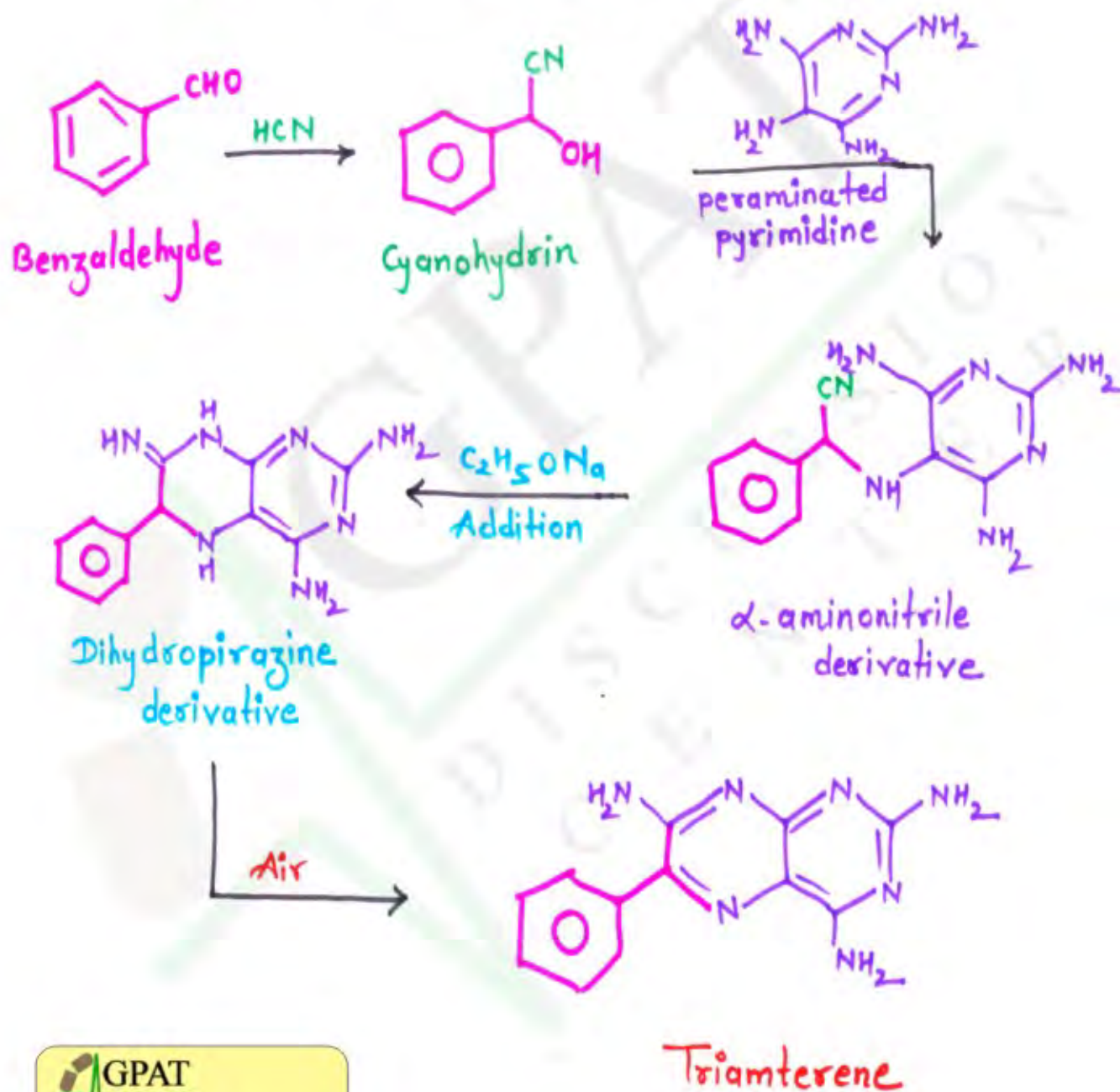


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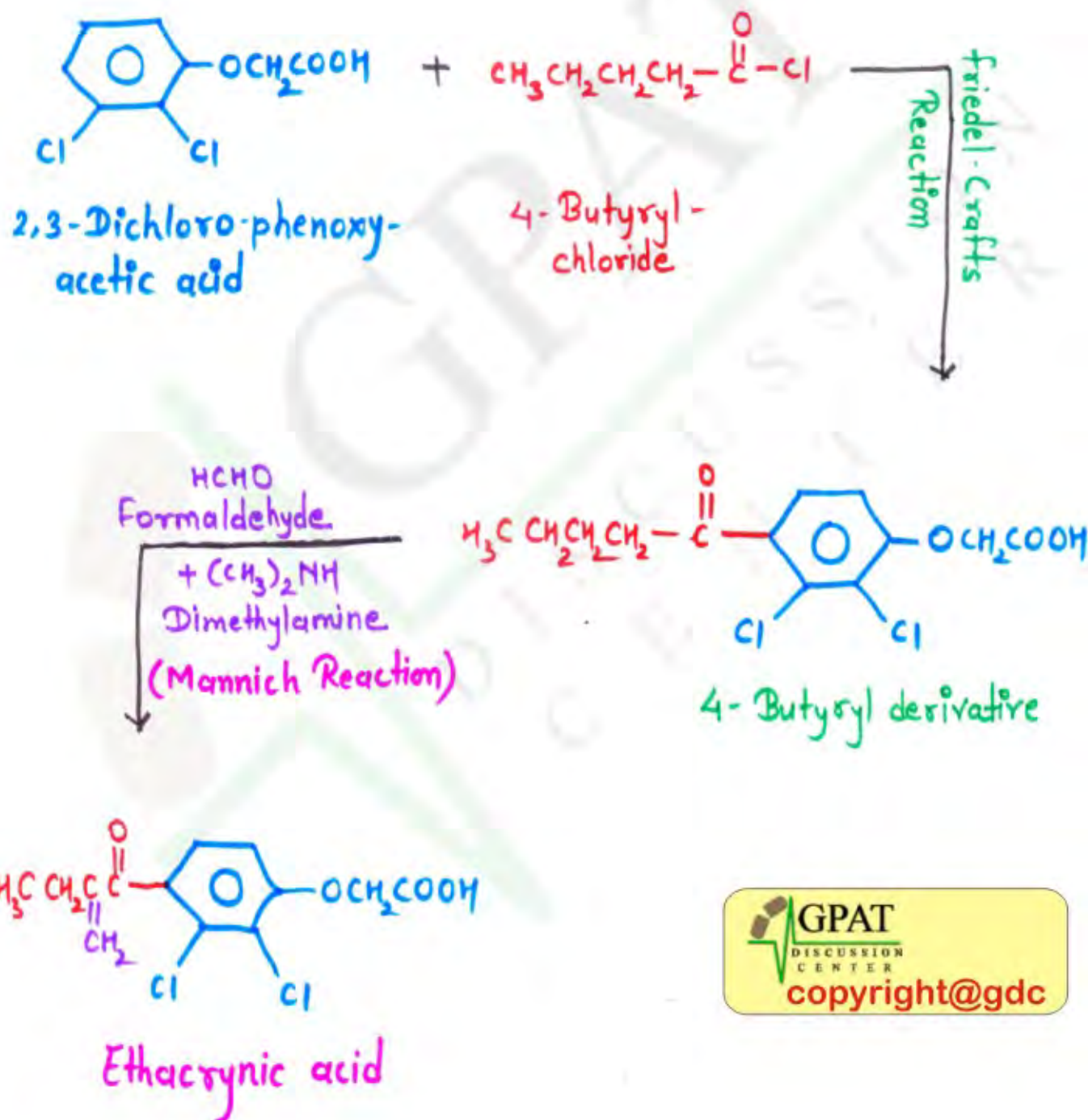
Synthesis of Triamterene

2,4,7-Triamino-6-phenylpteridine



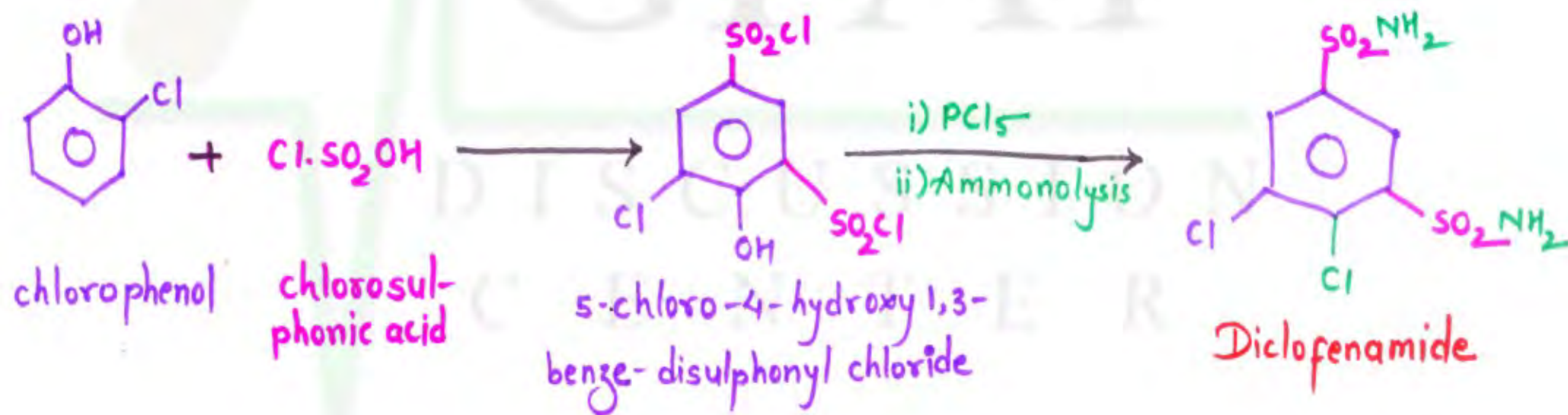
Synthesis of Ethacrynic acid

[2,3-Dichloro-4-(2-methylenebutyryl)phenoxy]acetic acid



Synthesis of Diclofenamide

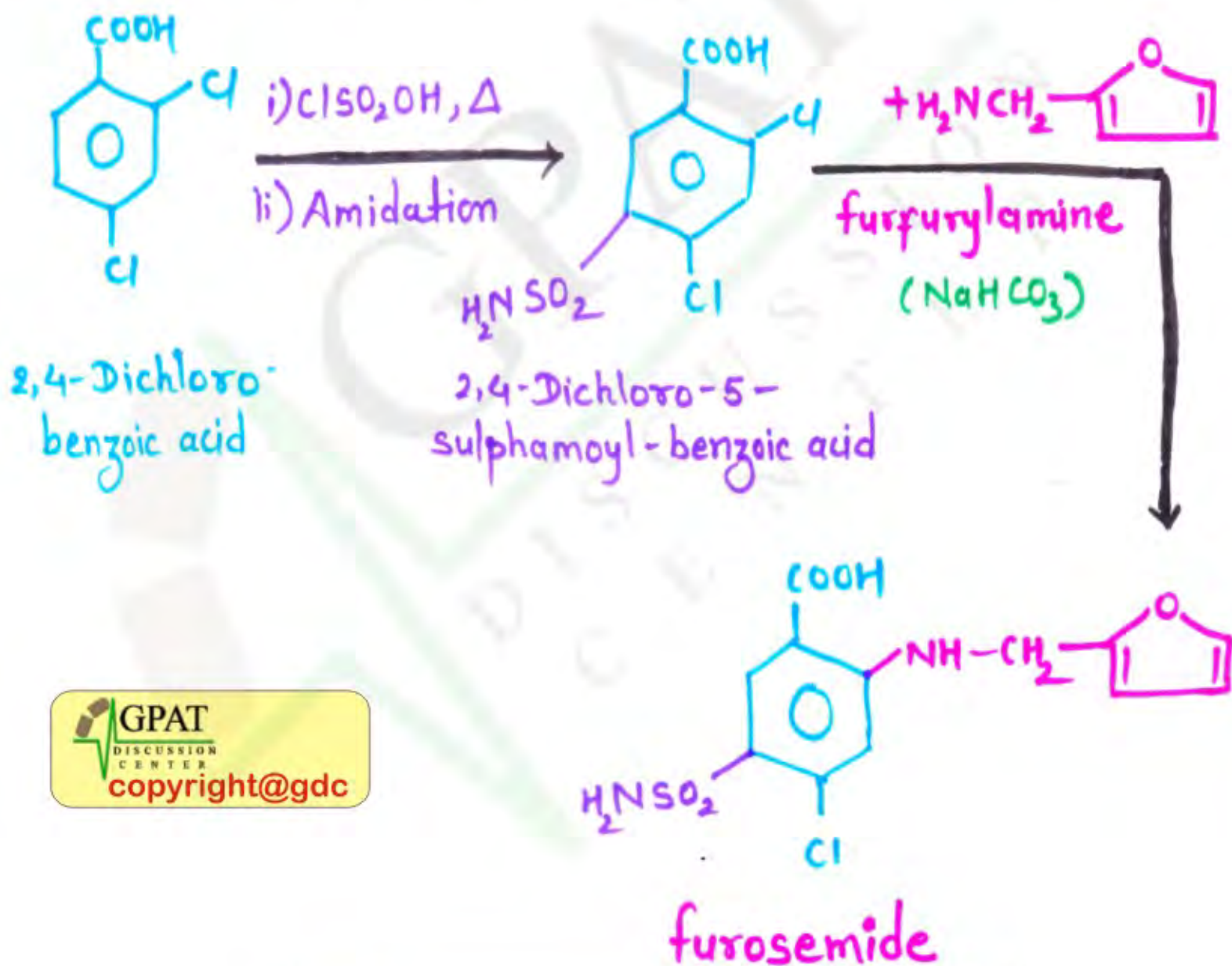
4,5-Dichloro-m-benzendisulphonamide



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Synthesis of Furosemide

4-chloro-N-furfuryl-5-sulphamoylanthranilic acid



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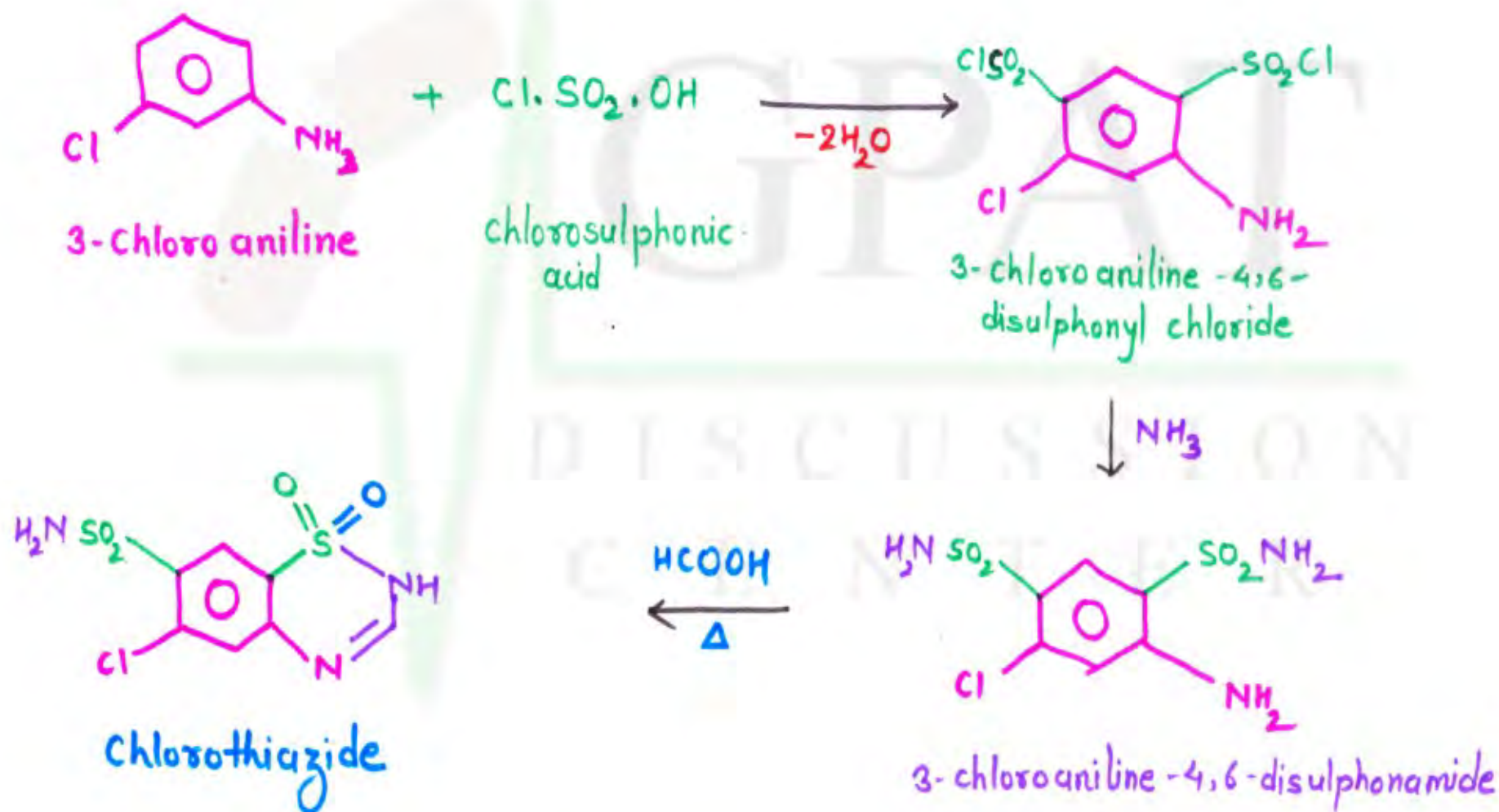
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Synthesis of Chlorothiazide

6-chloro-2H-1,2,4-benzothiadiazine-7-sulphonamide 1,1-dioxide



SYNTHESIS OF CYCLOMETHYCAINE SULPHATE

3-(2-methylpiperidino) propyl-p-(cyclohexyloxy) benzoate sulphate

