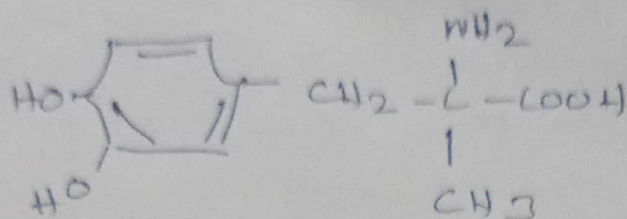


Cardio Vascular drugs:

① d-methyl dopa.



Nomenclature: 3-hydroxy-d-methyl-L-tyrosine.

Physical Properties: white to yellowish fine powder, odourless, and tasteless.

Chemical Properties: It gives purple color with ninhydrin or sulphuric acid.

Melting Point: Above 290°C

Solubility: Slightly soluble in alcohol, sparingly soluble in water and insoluble in ether.

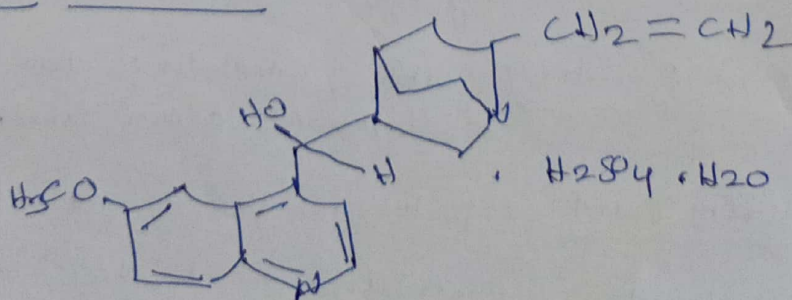
Storage: Store in an air tight well closed container, and protect from light.

Formulation: Tablets, oral and suspensions.

use: anti-hypertensive.

Brand name: Alphadopa.

② quinidine sulphate:



Nomenclature: 6-methoxy - cinchon - 9-al - Sulphate.

Physical Properties: Fine needle like white crystalline with bitter taste.

Chemical Properties: very dilute solution in dilute sulphuric acid shows blue fluorescence.

Solubility: Soluble in alcohol, slightly soluble in water and insoluble in ether.

Storage: Store in an air tight well closed container and protect from light.

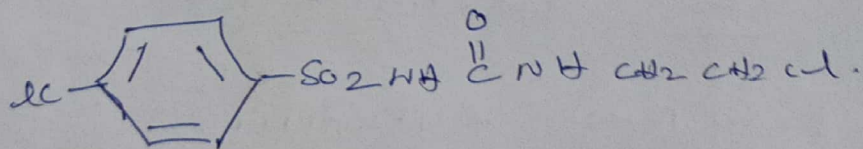
Formulation: (Tablet).

Use: Anti arrhythmic

Brand name: Quinidine.

Hypoglycemic agent.

① chlorpropamide:



Nomenclature: 1-(4-chlorophenyl) Sulphonamide - 3-propyl urea.

Physical Properties: white crystalline powder, has a characteristic odour, with bitter taste.

Melting point: Between 125°C. & 129°C.

Solubility: Soluble in alcohol and insoluble in water.

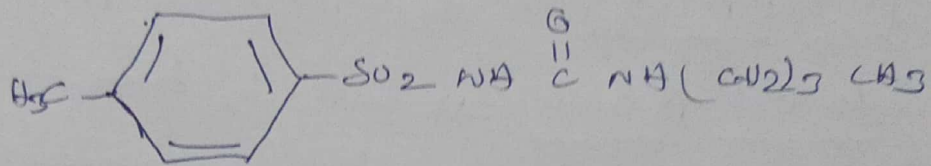
Storage: Store in air tight well closed container,
 & protect from light.

Formulations: Tablets.

use: oral hypo glycaemic agent.

Brand name: Chlartamin.

Tolbutamide:



Non-proprietary name: 1-butyl-3-[(4-methylsulphonyl)urea].

Physical Properties: white crystalline powder with odourless and bitter taste.

Chemical Properties: cooling after redissolving with 50% sulphuric acid produce a crystalline precipitate.

M.P: Between 126°C & 132°C.

Solubility: slightly soluble in alcohol & insoluble in water.

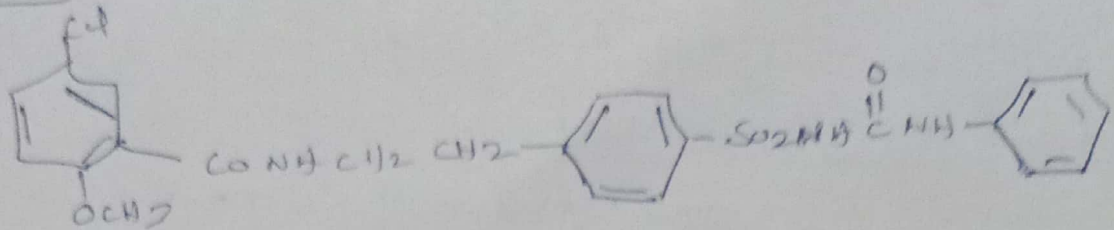
Storage: Store in an air tight well closed container and protect from light.

Formulations: Tablets.

use: oral hypo glycaemic agent.

Brand name: Reckinone.

Orlistat chloride:



Nomenclature: 1-(4-[2-[5-chloro-2-methoxy-benzoyl]ethyl]benzene sulfonamido)-3-cyclohexylethanoic acid.

Physical Properties: white crystalline powder.

Chemical Properties: It exhibits blue fluorescence under UV light when dissolved in 96% H2SO4.

M.P: Between 169°C & 174°C.

Solubility: Soluble in alcohol, solution and insoluble in water.

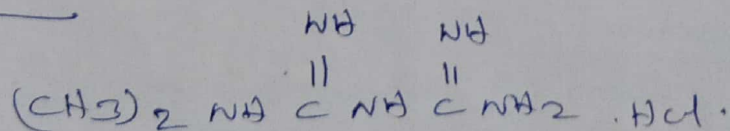
Storage: Store in an air tight well closed container & protect from light.

Formulation: Tablets.

Use: oral hypoglycemic agent.

Brand name: Xenical

Metformin HCl:



Nomenclature: 1,1-dimethyl biguanide hydrochloride.

Physical Properties: white crystalline hygroscopic powder.

Chemical Properties: It gives a red color with alkaline solution of sodium nitro Prusside.

5

Solubility: Freely soluble in water and insoluble in chloroform.

Storage: Store in an air tight well closed container, and protect from light.

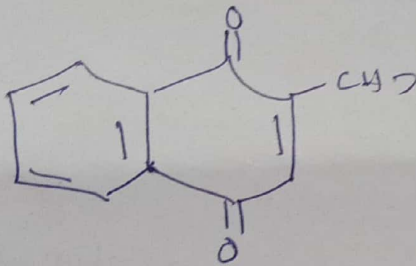
Formulation: Tablets.

Use: oral hypoglycemic agent.

Brand name: Glibi Phase.

Coagulant & anti coagulant:

① methiodone: (C₁₄H₁₃O₂).



Waxes: 2-methyl-1,4-naphthoquinone.

Phys. Properties: yellow crystalline powder with characteristic odour and bitter or taste.

Chemical Properties: It gives bluish violet color with ethylcyanoacetate in alkaline medium.

m.p: Between 105°C & 107°C.

Solubility: Soluble in chloroform & insoluble in water.

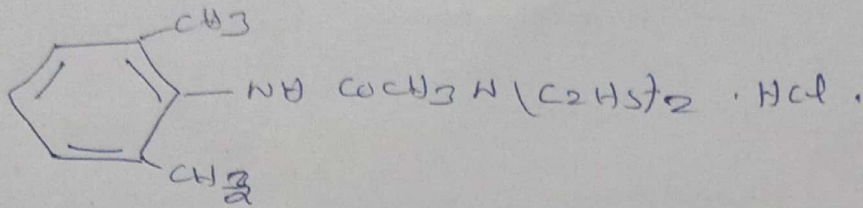
Storage: Store in an air tight well closed container & protect from light.

Formulation: Injection.

Use: ~~coagulant~~
Coagulant.

Local anesthetics:

① Lidocaine HCl: (Lidocaine)



Nomenclature: 2-diethylamino-2,6-acetylmidide.
mono hydrochloride.

Phy. Properties: white crystalline powder with odourless and bitter on taste.

Chemical Properties: It gives bluish green precipitate with cobalt chloride.

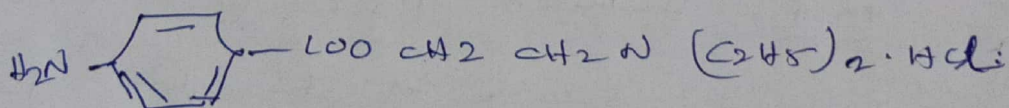
m.p: About 76°C.

Solubility: freely soluble in water and soluble in alcohol.

Storage: Store in an air tight well closed container and protect from light and keep it in dry place.

Formulations: Injection, ointment, & cream.

② Procaine hydrochloride



Nomenclature: 2-(diethylamino)ethyl-4-amino benzoate hydrochloride.

Phy. Properties: white crystalline powder with odourless and bitter on taste.

Chemical Properties: It produces orange to red azo dye with β -naphthal, nitrous acid and alkaline

Melting point: About 157°C.

Solubility: Soluble in water, alcohol, slightly soluble in chloroform and insoluble in ether.

Storage: Store in air tight well closed container and protect from light, & keep in dry place.

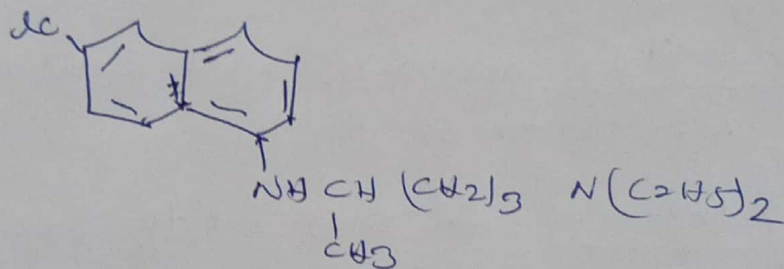
Formulation: Injection.

Use: Local anesthetic.

Brand name: Novocaine.

Antimalarial drugs:

① chloroquine:



Nomenclature: 7-chloro-4-(4-diethylamino-1-methylbutylamino)quinoline.

Phy. Properties: odourless, white crystalline powder with bitter taste, it exists in two polymorphic forms and both forms are active.

Chl. properties: It gives yellow precipitate with picric acid.

Solubility: Soluble in water and very slightly soluble in alcohol.

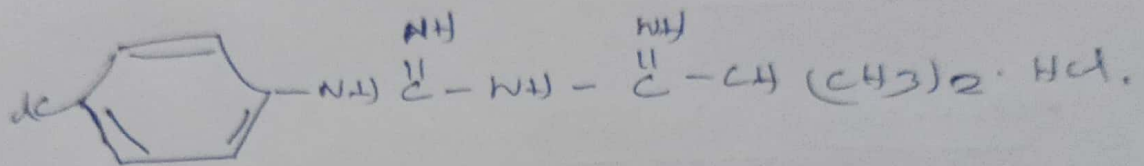
Storage: Store in an air tight well closed container and protect from light.

Formulation: injections, tablets, etc.

Use: In the treatment of hepatic amoebiasis and Giardiasis.

Brand Name: Nitroquinone.

② Proguanid HCl



Nomenclature: 1-(4-chlorophenyl)-5-iso-propyl bisguanid hydrochloride.

Phy. Properties: odorless, white crystalline powder with bitter taste.

Ch. Properties: It gives white precipitate with potassium ferrocyanide solution.

m.p.: 245°C.

Solubility: Soluble in water and alcohol.

Storage: Store in air tight well closed container and protect from light.

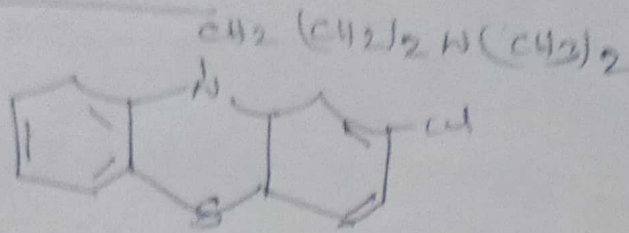
Formulation: Tablets.

Use: In the treatment of anti-malarial activity.

Brand Name: Levern

Trazodone:

① Chlorpromazine:



Non-proprietary: 2-chloro-10-(3-dimethylaminopropyl)pheno thiazine.

Phy. Properties: odorless, white waxy powder,

chem. Properties: A red color is produced with sulphuric acid.

M.P: 57°C.

Solubility: Soluble in water and alcohol and insoluble in ether.

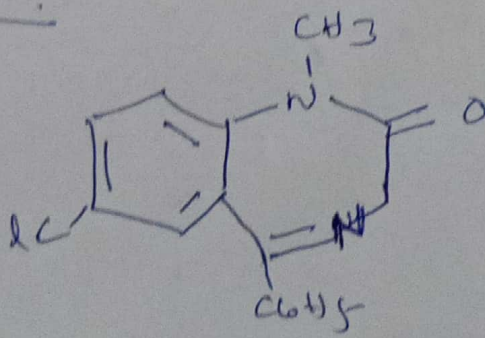
Storage: Store in an air tight well closed container and protect from light.

Formulations: Tablets, injections, and elixirs.

Use: For the treatment of psychotic disorder and to relieve nausea & vomiting.

Brand name: Emetid.

② Diazepam:



Nomenclature: 7-chloro-1,3-dihydro-1-methyl-5-phenyl-2H-1,4-benzodiazepin-2-one.

phy. properties: odourless, white crystalline powder.

chem. properties: It produces a bright pinkish red precipitate with the filtrate of hydrochloric acid and water mixture.

M.P.: 132°C.

Solubility: Very slightly soluble in water and soluble in alcohol.

Storage: Store in air tight well closed container and protect from light.

Formulation: Tablets, capsules, injections.

Use: Antipsychotic and anti-anxiety.

Brand name: Compote.