

2

Antiprotozoal . Antiamoebic drugs
Drugs which are Used in Intestinal Amoebiasis

N-methyl Acetanilide derivative - Diloxanide Furoate

8-OH Quinoline derivatives - Iodo chloro hydroxy quin
Dibromo quin
Diiodo hydroxy quin
Chiniofon

Drugs Used in Extra Intestinal amoebiasis

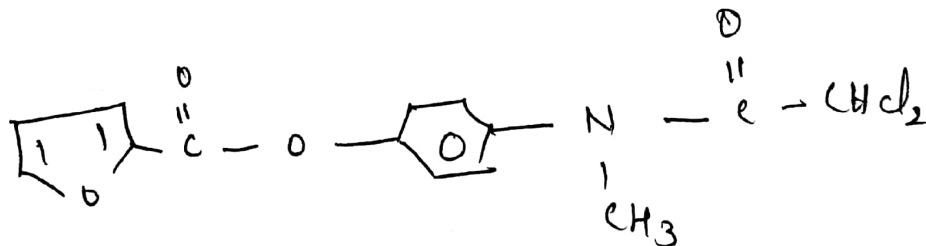
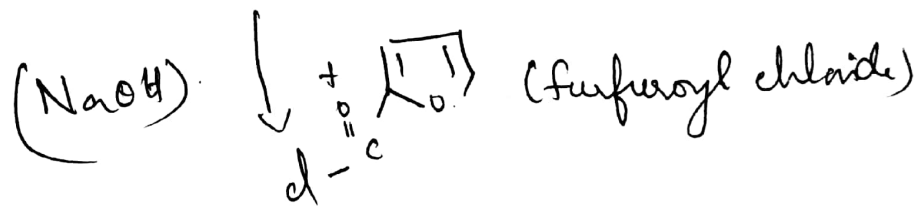
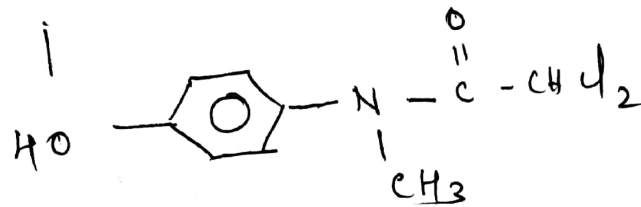
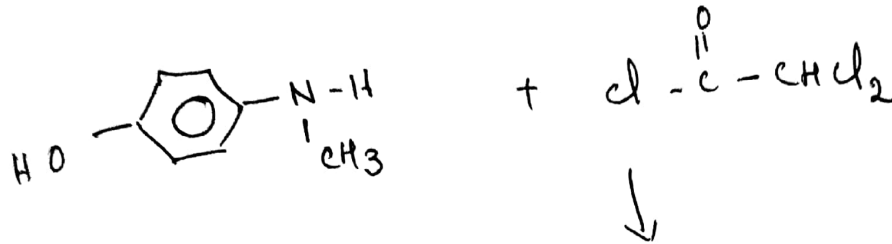
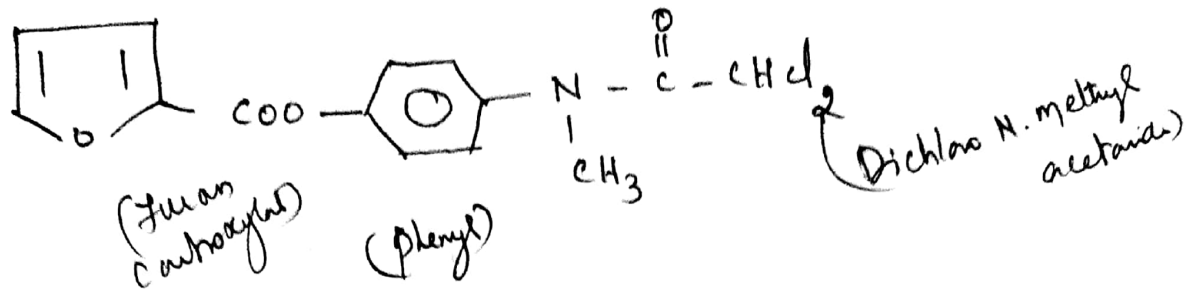
Natural products Ipecac Alkaloids - Emetine
Dehydroemetine

Drugs Used in both Intestinal and Extra Intestinal Amoebiasis

Nitro Imidazole derivatives - Metronidazole
Tinidazole
Tiorazole

Antibiotics - Tetracyclines
Paromomycin

Diloxanide Fumarate



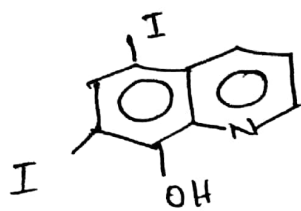
(Diloxanide fumarate)

Diloxanide

Mech:

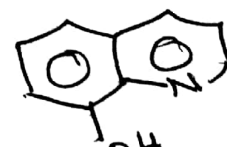
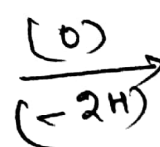
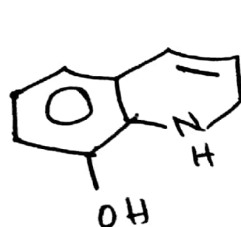
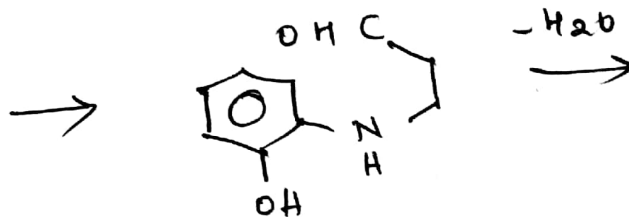
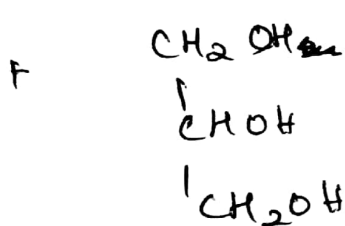
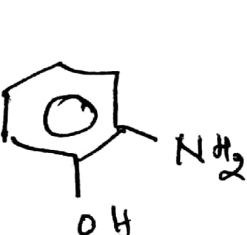
Prodrug / destroys the trophozoites of *E. histolytica* that form cysts and then excreted the cysts.

Iodo Quinol.

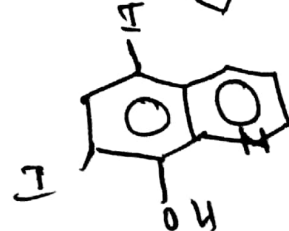


5,7
Di Iodo

8-OH Quinoline

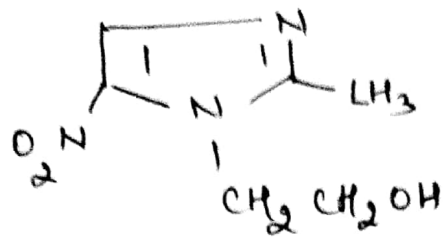


Iod / Iodine

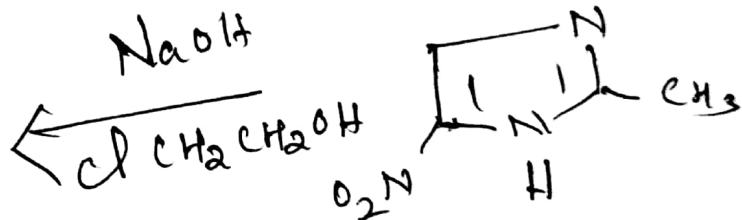
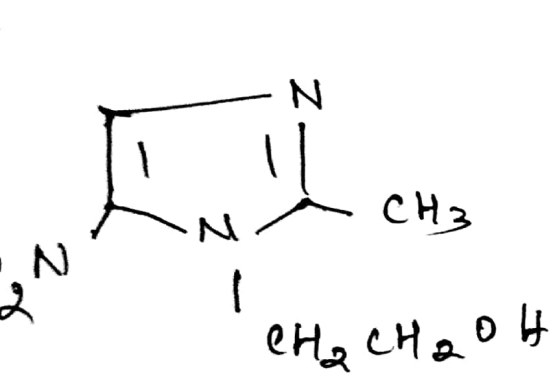
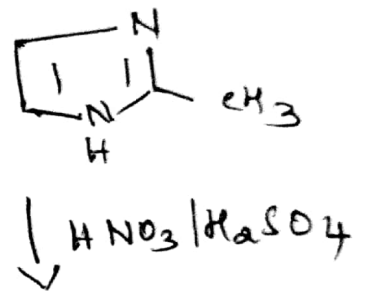
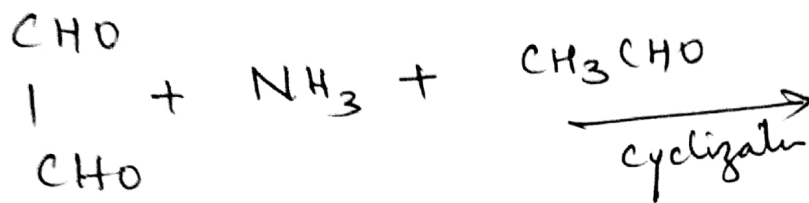


To treat severe symptomatic
 Hepatic abscess infection

Metronidazole



5-NO₂ imidazole derivative



2-methyl 5-NO₂ imidazole

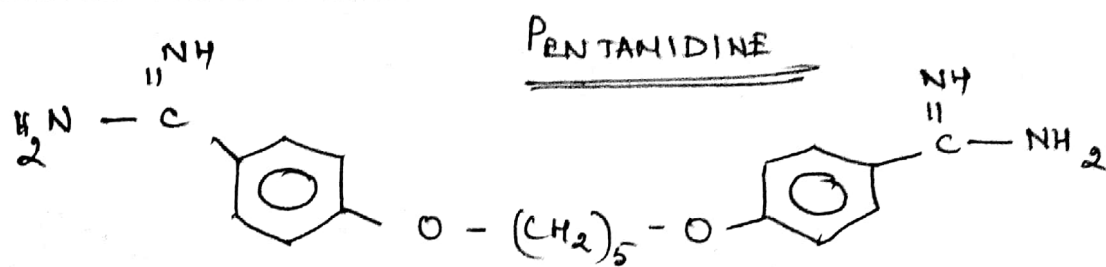
5 NO_2 imidazole 1K at selectively kills

anaerobic microorganisms.

It enters the cell as a prodrug and by nitro reductase gets reduced by living free radical nitro and then acts as cytotoxic binds to DNA (bacterial)

DNA breakage and bacterial cell death.

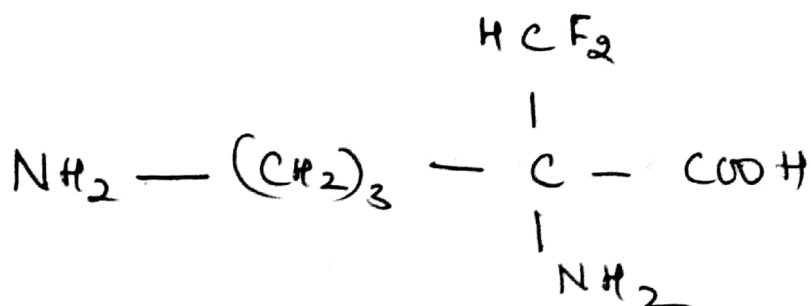
Use: Antibacterial and Antiprotozoal Trichomonas Vaginalis
Cryptosporidium amoebiasis giardiasis



Diamidino - diphenoxy pentane

Use: Antiproliferal and antipneumocystis

EFLORNITHINE



Difluoromethyl DL Ornithine

Use: African sleeping sickness

Trypanosome brucei gambiense