

EMETICS

→ Emetics are derived from word emesis
e means Vomiting.

→ Vomiting is forceful expulsion of contents
present in stomach through mouth
sometime through nose.

→ Emetics are the drugs e give rise to
forced emesis by e the content of
stomach get expelled t/h oral cavity.

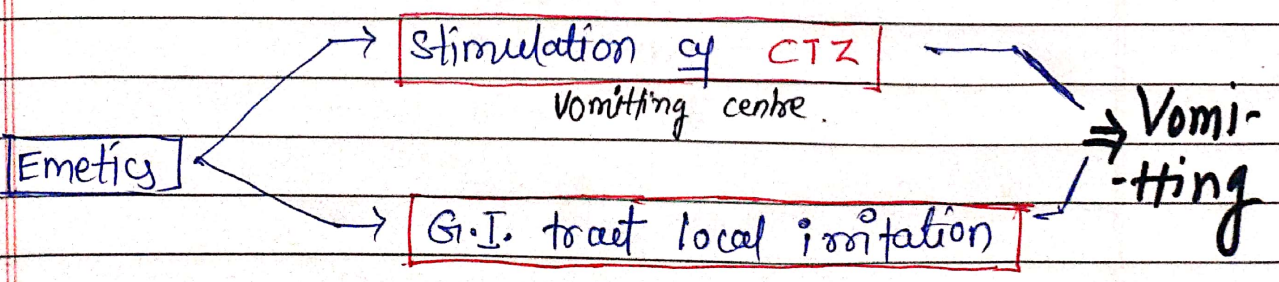
→ They are important in case of poisoning.

→ Emetics are used generally in p

Mechanism of Action

(1) They act by directly or by stimulation
of chemoreceptor trigger zone (CTZ) in the
floor of ^{4th} ventricle in Medulla

(2) They act also by reflex action by irritation
of gastro intestinal tract.



Natural Emetics

① Salt water / warm water

- mild emetic
- 2 spoonful salt in a glass of H₂O.

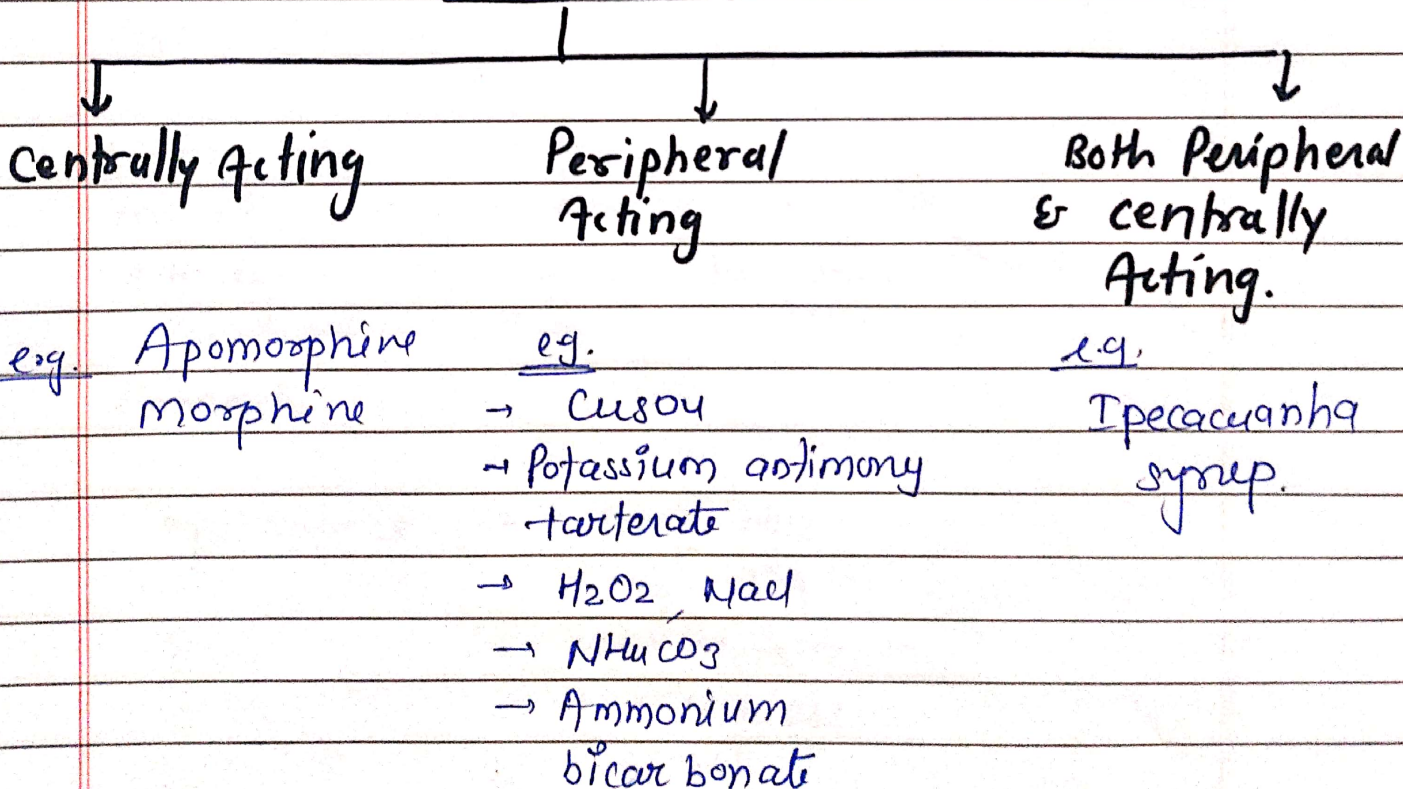
② Mustard seeds

1 table spoonful ground mustard seed in half glass of water.

CLASSIFICATION OF EMETICS

(on the basis of site of action)

EMETICS



Contraindication

- (1) Patient suffering from CNS depression, coma, pregnant women & children
 - (2) In corrosive poisoning - acid & alkaline
- * So these agent must be carefully administered with proper therapeutic drug monitoring.

COPPER SULPHATE

Synonym \Rightarrow Cupric Sulphate

M. formula = CuSO_4

m. wt. = 249.7

storage = must be protected from air

Property

Appearance \rightarrow Deep blue
crystalline, efflorescent

Taste \rightarrow Metallic

odour \rightarrow Odourless

solubility \rightarrow Soluble in boiling H_2O
insoluble in alcohol

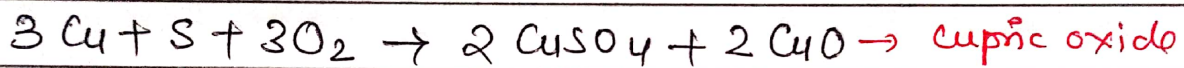
Preparation

Sulphure is heated with copper granules giving production of copper sulphate and cupric oxide,

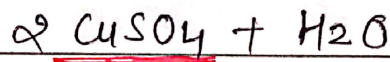
↓
c is then treated w H_2SO_4

↓
 $CuSO_4$

Copper
?



↓
Sulphure



USES

(1) Used as emetic (but not choice of drug)

Sodium Potassium Tartarate

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Synonyms : Rochelle salt, Seignette salt.

M. formula : $C_4H_4O_6KN_9 \cdot 4H_2O$

M. wt. : 283.22 g

Storage : It must be stored in air tight container.

Test of identification

(1) On heating the salt \rightarrow Burning sugar odour.

(2) When equal volume of acetic acid is added white precipitate is formed.

PHYSICAL PROPERTY

Appearance \rightarrow large colourless, prismatic crystal

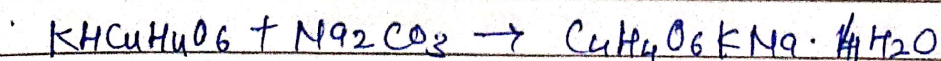
Taste \rightarrow saline

Odour \rightarrow Odourless

Solubility \rightarrow water
insoluble in alcohol.

Preparation

= Potassium bitartrate reacts with sodium carbonate



pot. bitartrate

sod. pot. tartarate

USES

- (1) Emetics, Saline cathartics
- (2) mild Laxative
- (3) Diuretics
- (4) Alkaliser
- (5) food additive
- (6) Breaking emulsion