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PALE CATECHU

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Synonyms: Gambier

- **Biological source:** *Dried aqueous extract of leaves & young twigs of Uncaria gambier.*
- **Family:** *Rubiaceae.*
- **Geo.source:** *India, Bangladesh, Singapore & Indonesia.*
- **Macroscopic character:**
 - **Shape:** *Cuboidal*
 - **Colour:** *Reddish brown*



Macroscopic character:

Odour: *odourless*

Taste: *Astringent*

Fracture: *Uneven*

Special features: *Brittle in nature,
easily soluble in nature.*



Preparation procedure:

Leaves & twigs are collected & boiled with water.



Extract is filtered & cooled.



During cooling semi solid pasty mass formed.

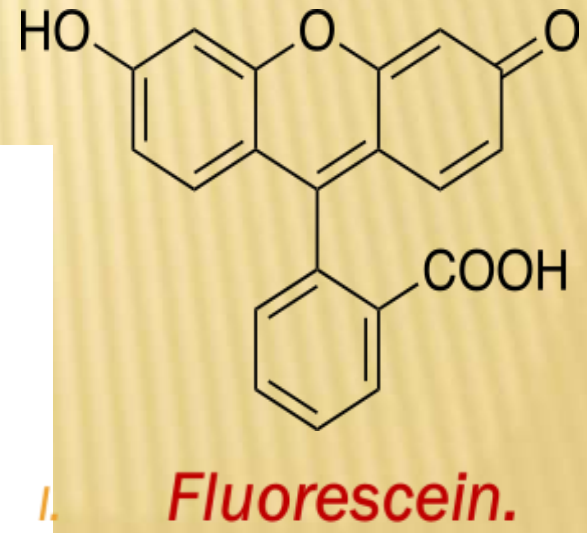
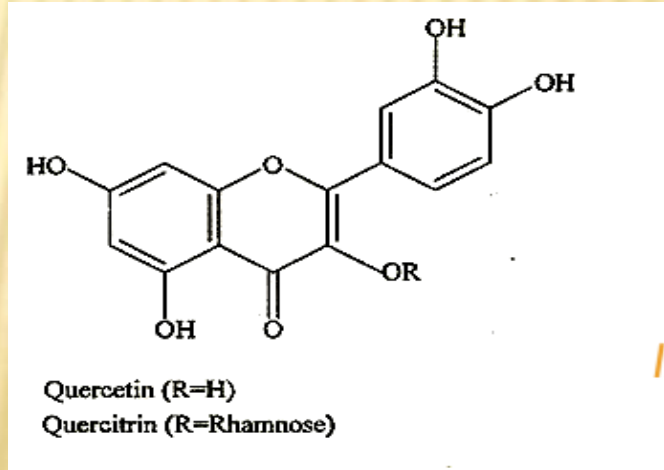
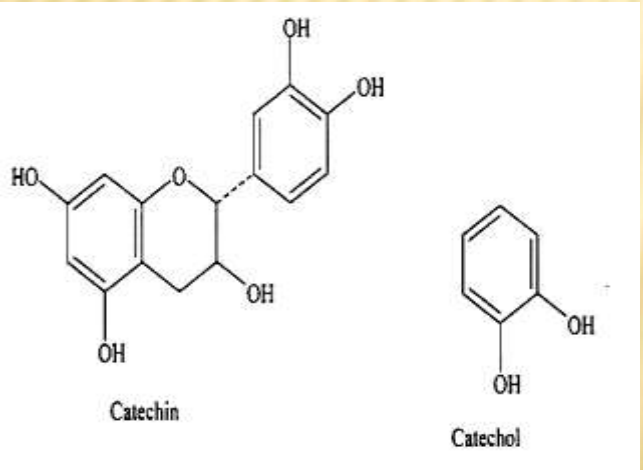


Placed in different dies.



Chemical Composition:

- I. **Catechin (7-33)%**
- II. **Catechu tannic acid & catechu red**
- III. **Quercetin.**
- IV. **Gambier Fluorescein.**



CHEMICAL TEST: (GAMBIE R FLUORESCIN)

Alcoholic extract of Gambier



Filtered then collect the filtrate



To the filtrate add NaOH with shaking



Petroleum ether is added & stands for few minutes



Green colour fluorescence is observed

USES:

- I. **Used as Astringent.**
- II. **Source of tannic acid**
- III. **Used in Leather & Fabric industry**
- IV. **Used in dyeing industry**

