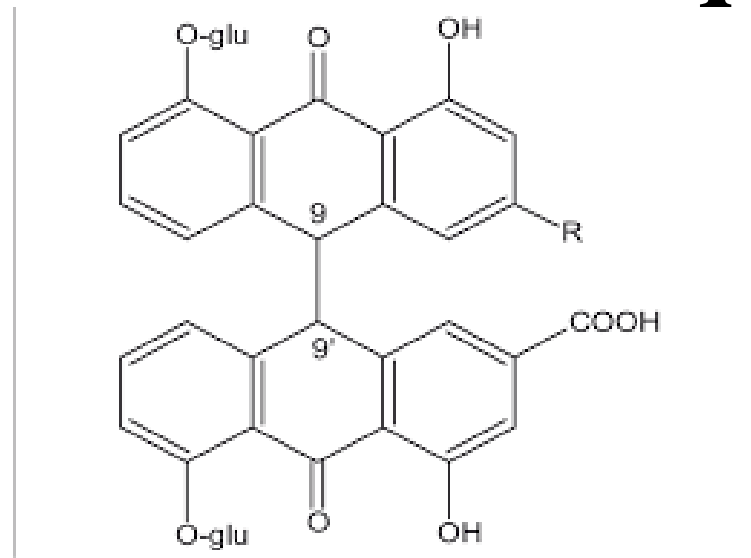


Isolation of anthraquinone



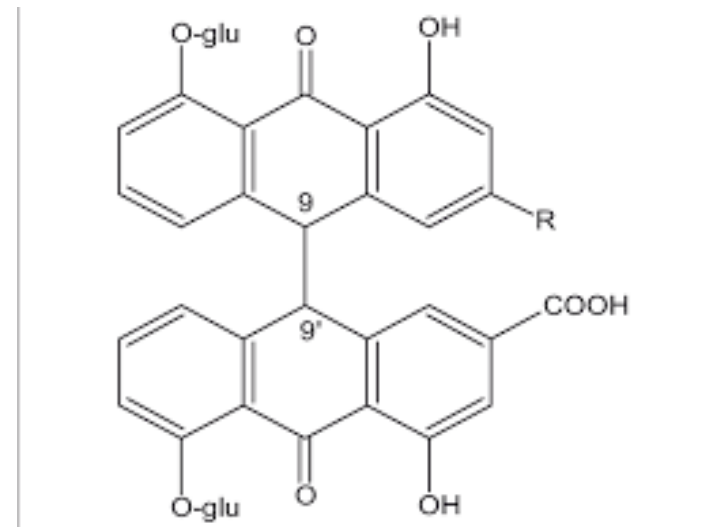
Plant used in this lab:

- common name : Senna
- Scientific name : *Cassia senna*



Anthraquinone glycoside content:

- Sennoside A and Sennoside B(rhein dianthrone)
- - Sennoside C and Sennoside D(one molecule of rhein and one molecule of aloe-emodin)



Medicinal use:

- Cathartic
- - Treatment of irritable bowel syndrome
- - Treat skin disorder
- - Clean digestive from worms



SENADE TAB



Side effects:

- stomach discomfort, cramps, and diarrhea.
- Senna is **POSSIBLY UNSAFE**

Procedure

- 5 gm of senna + 100 ml of water extracted by decoction method



Filter the extract then take 10 ml from the filtrate and add to it 2ml of Conc. HCl and heating for for 1-2 min



Cool the solution and transferred it to the separator funnel then add chloroform to make two layer and shaking to distribute the constituent



Procedure

Collect the organic layer (lower layer) which contain aglycon part

Borntragers test:

Take 1 ml from organic layer and add to it drops from (10% ammonia) pink color will be produced

Discussion:

the aglycone part with ammonia, forms anthraquinone salts have pink color .

