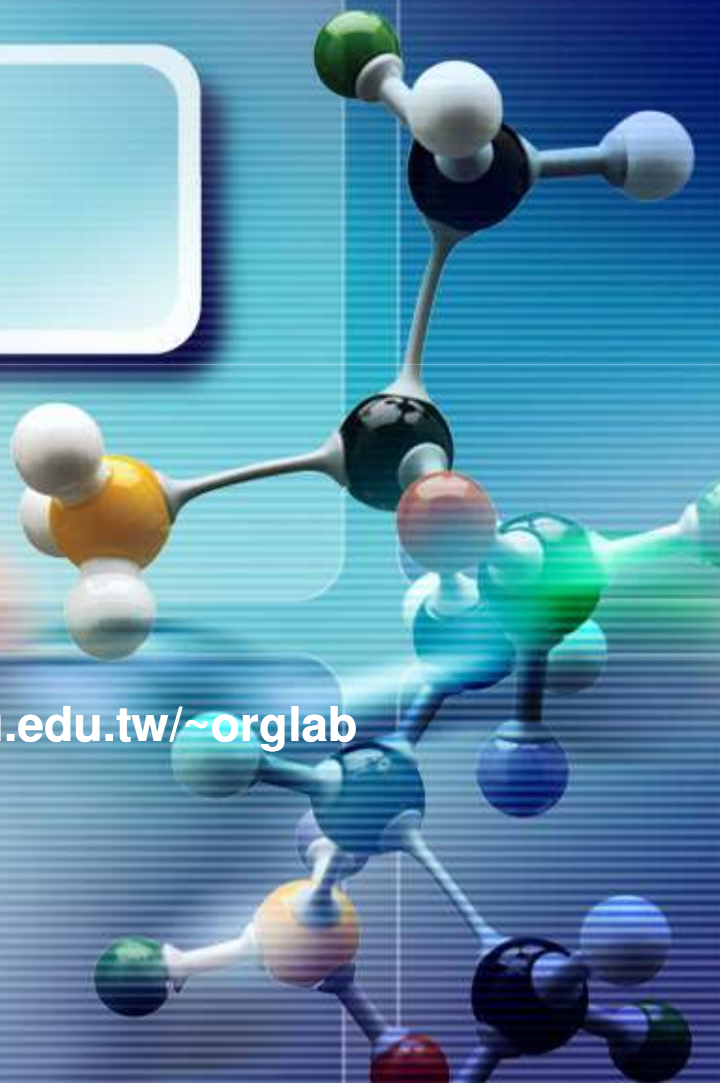




Exp 08

Synthesis of Aspirin

<http://www2.thu.edu.tw/~orglab>



Aspirin

- I. Basic use: analgesic, antipyretic.
- II. Cardioprotectors
- III. Prevention of stroke
- IV. Prevention of colorectal cancer
- V. Prevention of esophageal cancer
- VI. Others: Prevention of breast cancer, stomach cancer, and even Alzheimer's disease
It is also being confirmed.

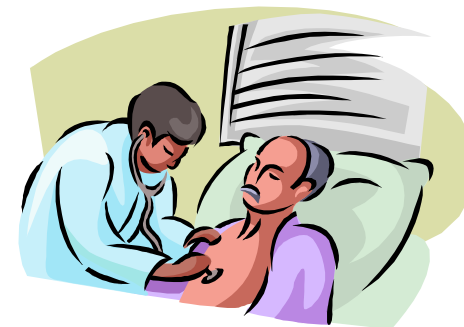


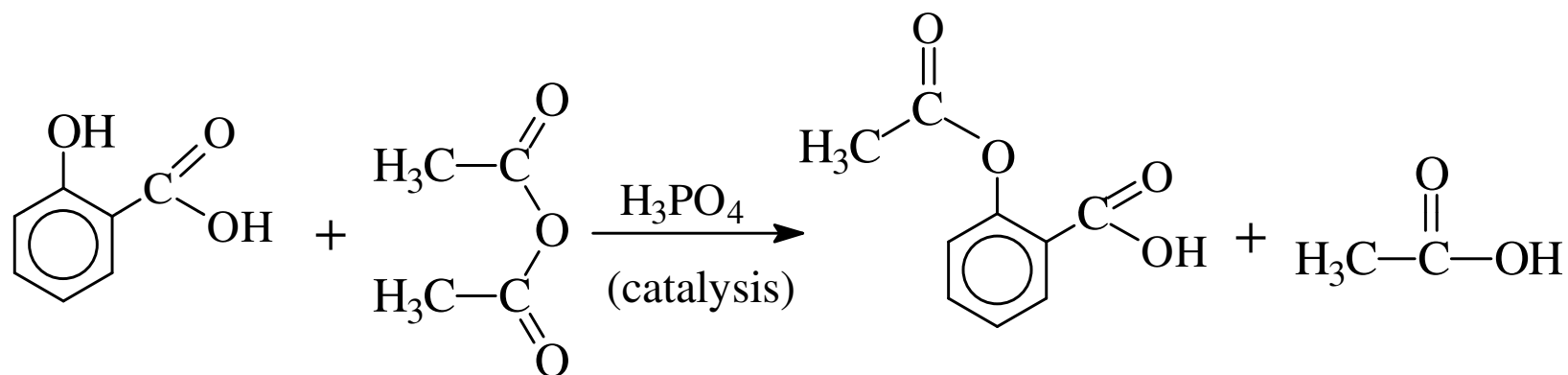
1. Cause stomach ulcer
2. Hemorrhagic stroke
3. Do not take aspirin under 20

Aspirin can easily cause "Ray Symptoms"

(The cause is unknown, but it can cause brain damage and death.)

(Adults will not suffer)



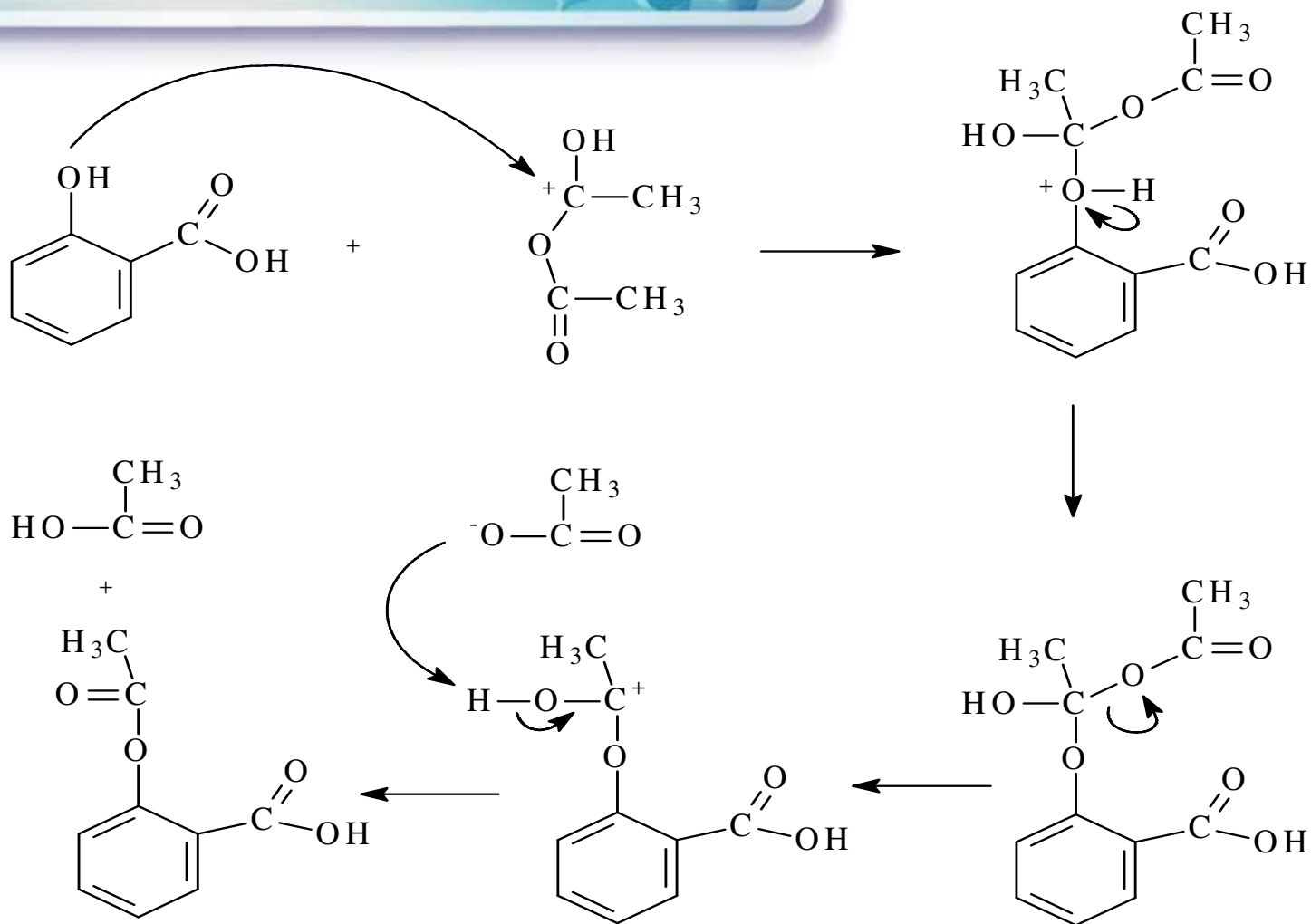


salicylic acid

acetic anhydride

Aspirin

acetic acid



0.5g **salicylic acid** + 1.5 mL **acetic anhydride** in
100mL beaker



add 2 drop 85% H_3PO_4



Boiling H_2O bath for 5 min



add 7.5 mL H_2O heat till solution clear



Stand At room temperature then crystal form



Wash crystal with 5mL ice H_2O



Thank you !

<http://www2.thu.edu.tw/~orglab>

