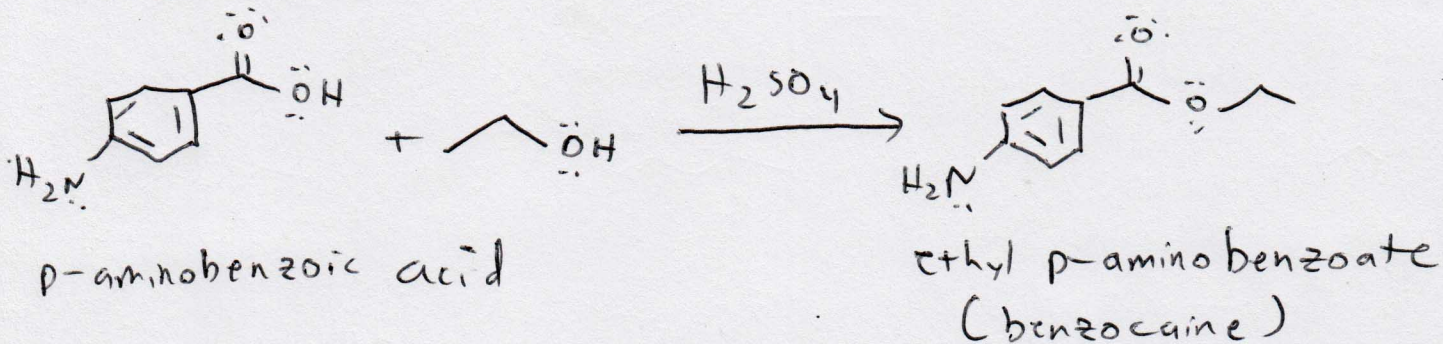
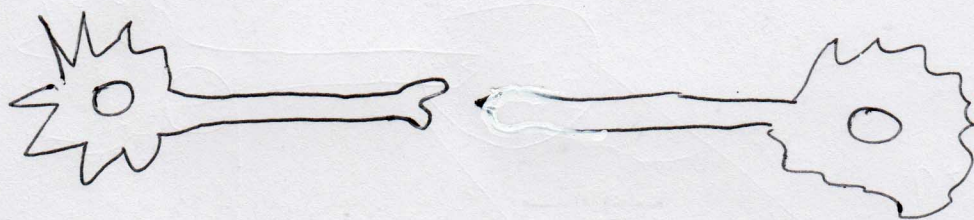


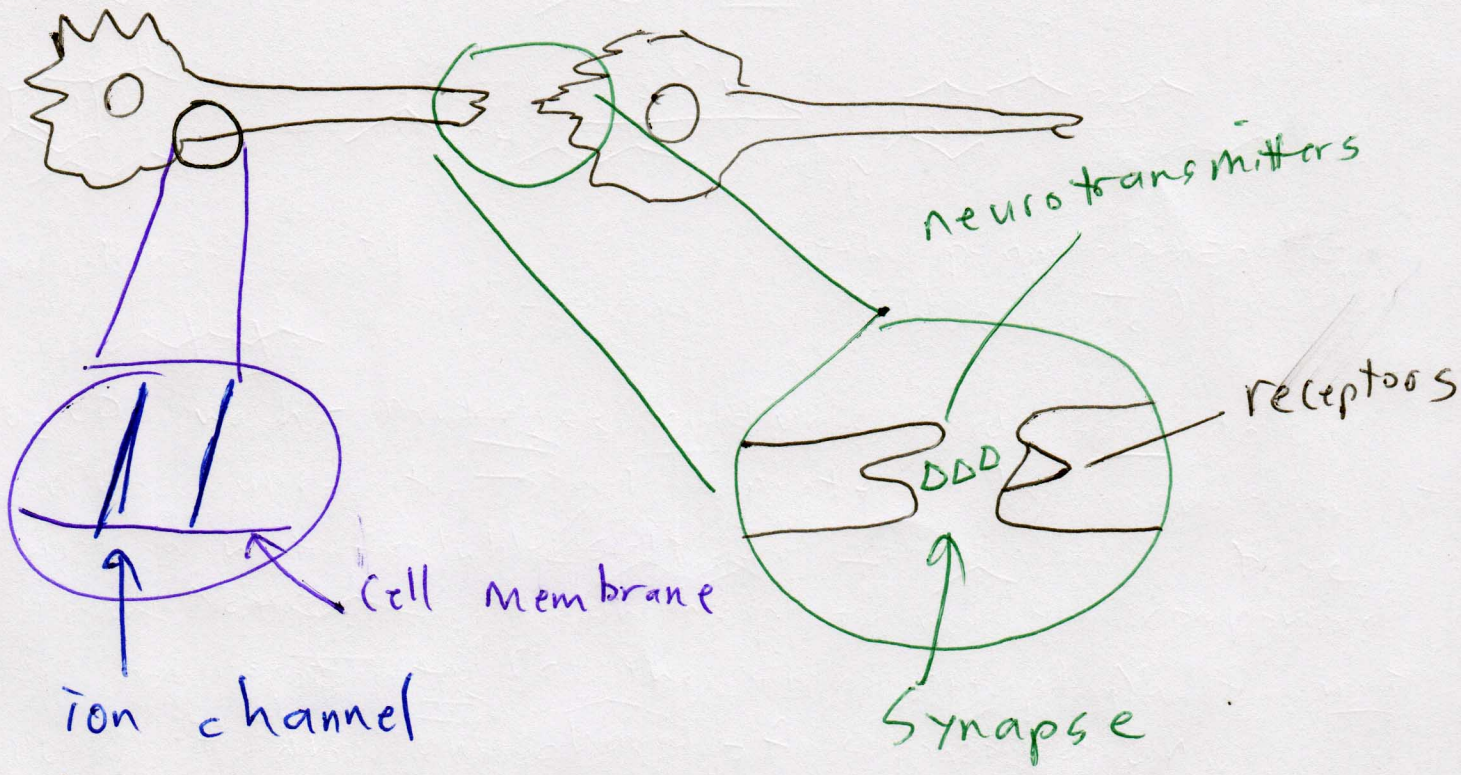
5/13/12

Benzocaine

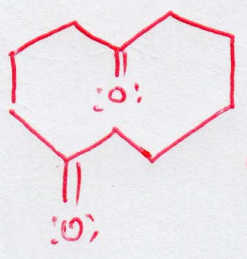


Na_2CO_3 wash - neutralize sulfuric acid and to remove unreacted starting material by converting it into a water-soluble salt. It is a stronger base than NaHCO_3 , so it can help ensure the compound is not protonated (at the amino group). NaOH is not used to avoid any chance of saponification.





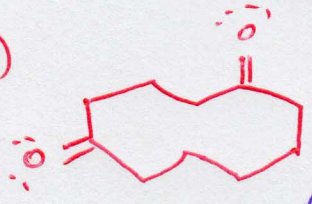
a) one molecule



(Same)

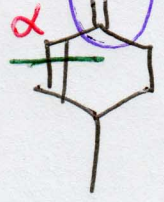
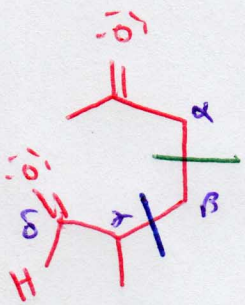


β - where other $C=O$ was
 α
 was enolate $C=O$

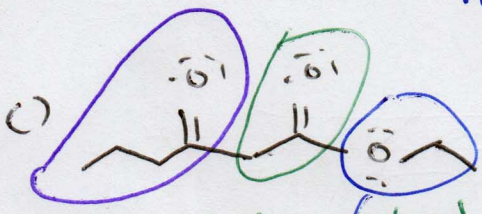
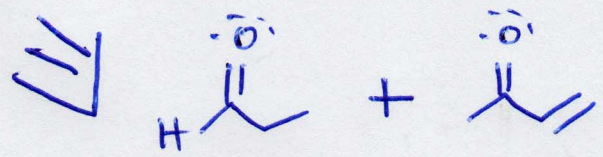
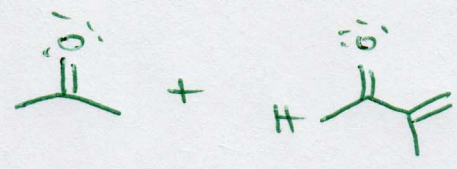


α, β -unsaturated $C=O$
 \rightarrow aldol

b) two molecules



two get two molecules
 \rightarrow Michael



was ester

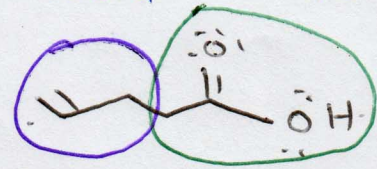
was enolate

β -keto ester \rightarrow Claisen

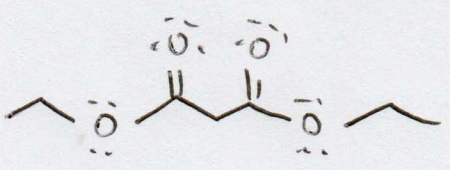


Should be same to avoid transesterification.

d) malonic



Present in all
 monoalkylated
 malonate derivatives



- 1) $NaOEt$
- 2) $CH_2=CHBr$
- 3) $NaOH, \Delta$
- 4) H^+, Δ

