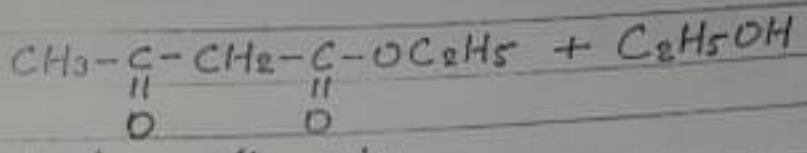
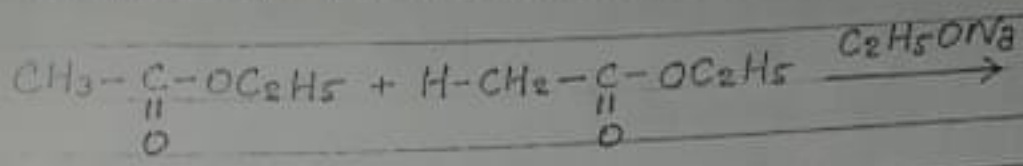


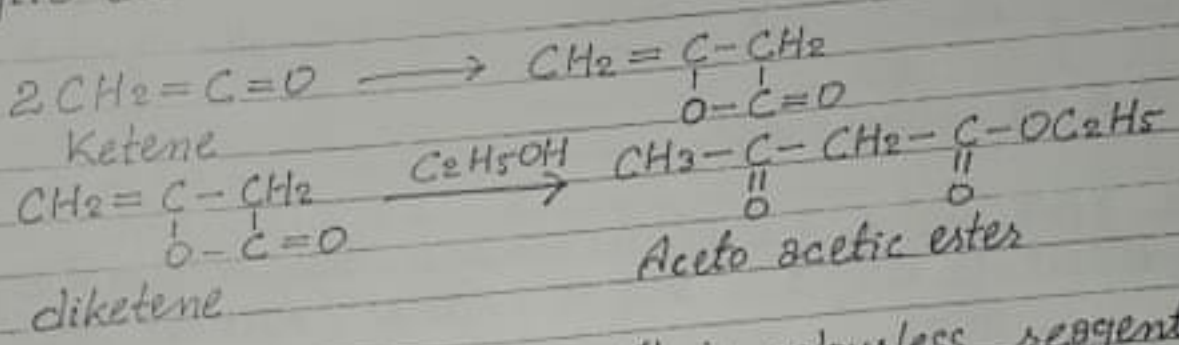
Aceto Acetic Ester (A.A.E.)

Preparation: 1. It is prepared by the condensation of two molecules of ethyl acetate in the presence of sod. ethoxide to give Aceto acetic ester. Such reaction is known as Cannizzaro reaction.



Aceto acetic ester

2. Industrial method :- It is prepared by polymerised by ketene in the presence of acetone to give diketene and diketene further treated with alcohol to give aceto acetic ester.



- Physical properties :-
1. It is colourless reagent, pleasant smelling liquid.
 2. Boiling point 181°C.
 3. It is sparingly soluble in water but readily soluble in alcohol and ether.
 4. There is no effect on Litmus.
 5. It is soluble in dil. NaOH.
 6. Enol form of the compound dissolve and give Na-salts.
 7. Enolic form present in least amount like 7.5% in respect of keto form at ordinary temp.