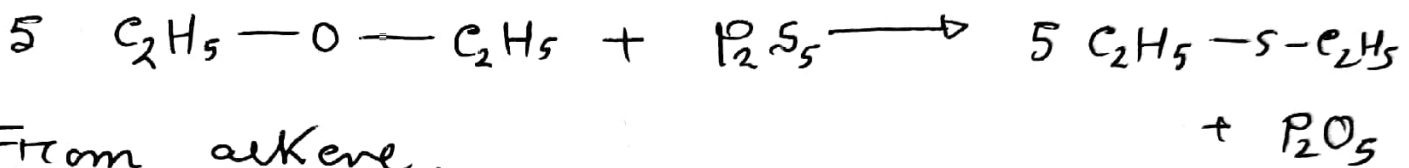


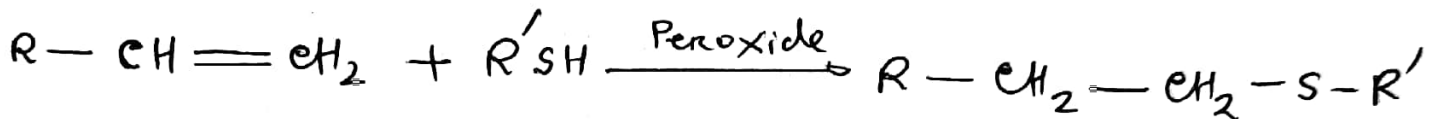


Preparation

① From ether

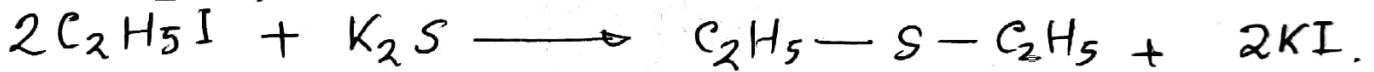


② From alkene



(Note: In absence of Peroxide rxn does not take place)

③ From alkyl halide

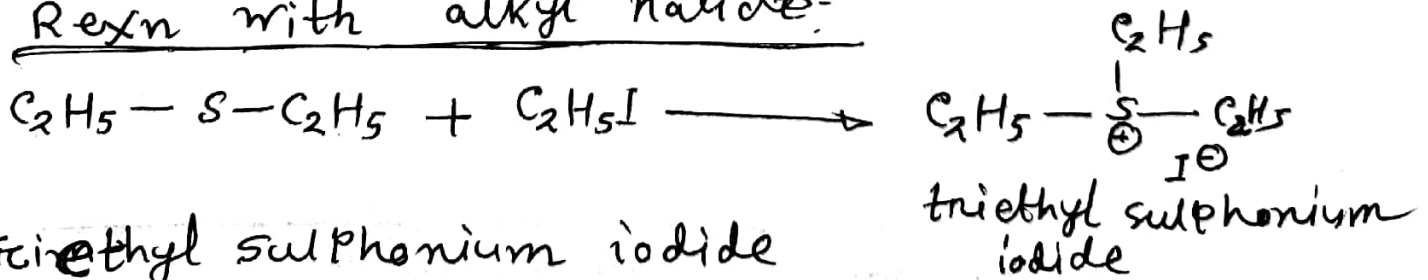


④ From thiols



Chemical Rxn of thioethers:

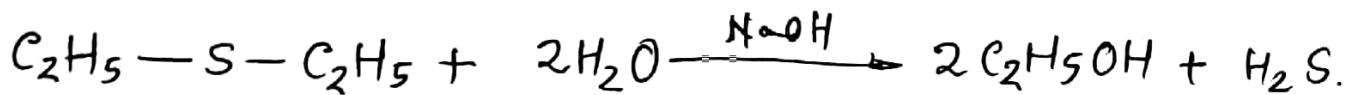
① Rxn with alkyl halide:



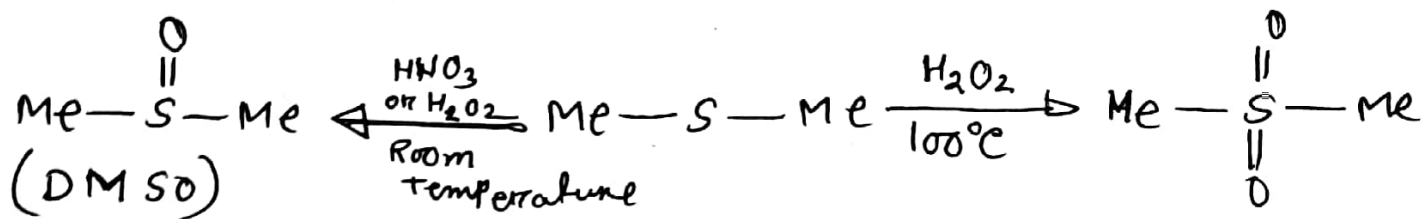
Triethyl sulphonium iodide reacts with moist silver oxide 'AgOH' to form strongly basic triethyl sulphonium hydroxide.

② Hydrolysis

②

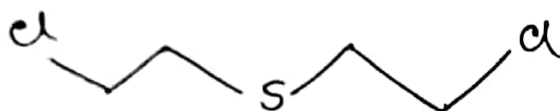


③ Oxidation



H.W. Explain why Dimethyl sulphoxide has much higher boiling point (189°C) than dimethyl sulphide.

Mustard Gas:



Preparation:

