

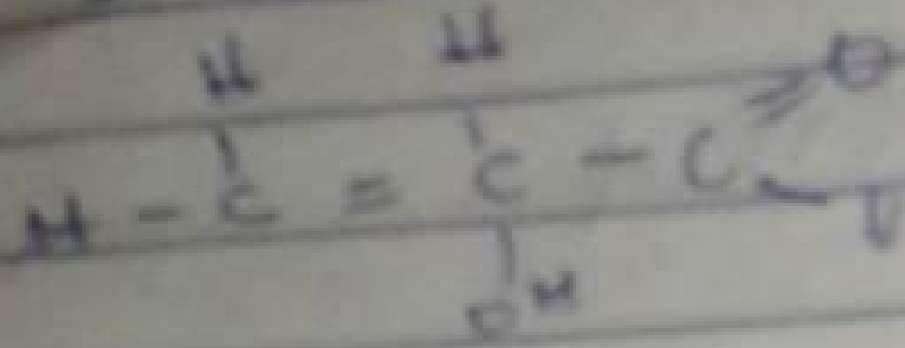
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MEDICINE AND SURGERY



Structural formula



Functional groups

- Double bond (alkene)
- OH (hydroxyl group)
- COH (alcohol)

Recall

$$[\alpha] = \frac{\lambda}{1 \times C}$$

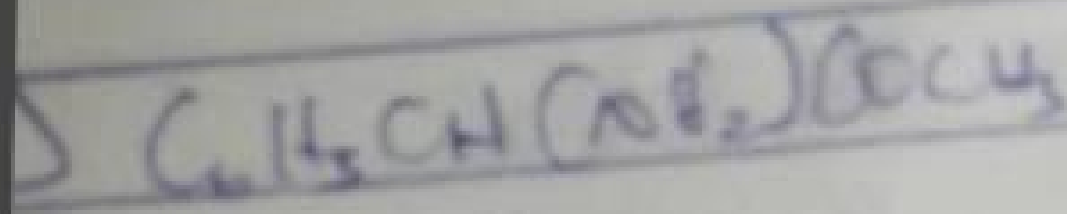
where

l = length of tube in cm
 C = conc (g/ml)

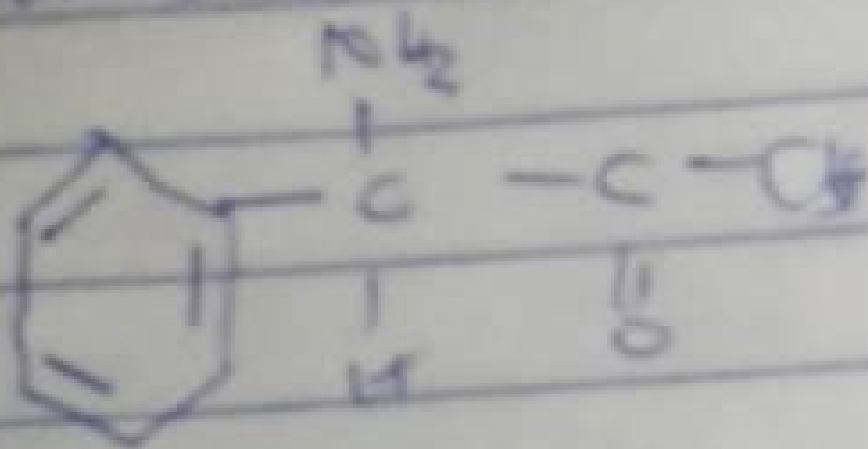
λ = observed rotation

$$S_p = \frac{\Delta \cdot D}{1 \times \left(\frac{2.5930}{100} \right)}$$

$$S_p = \frac{1}{0.0950} = 10.526 \approx 11.69$$



Structure:

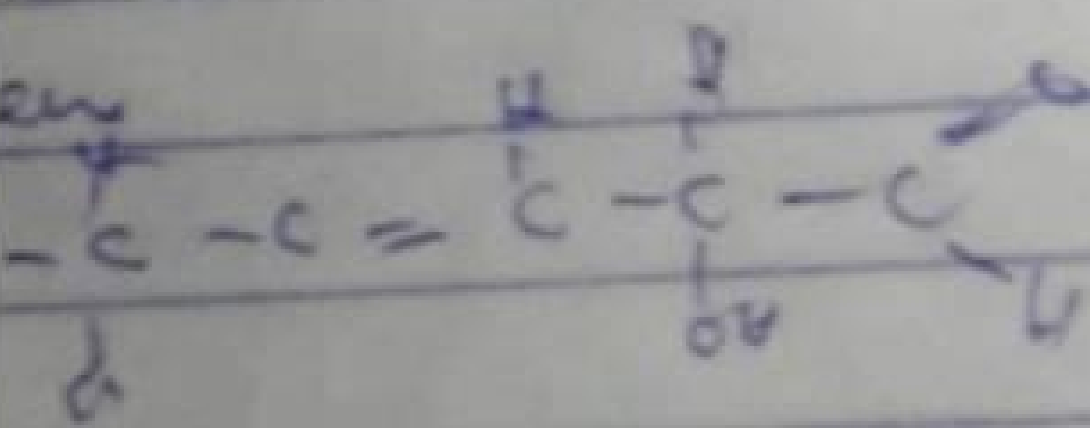
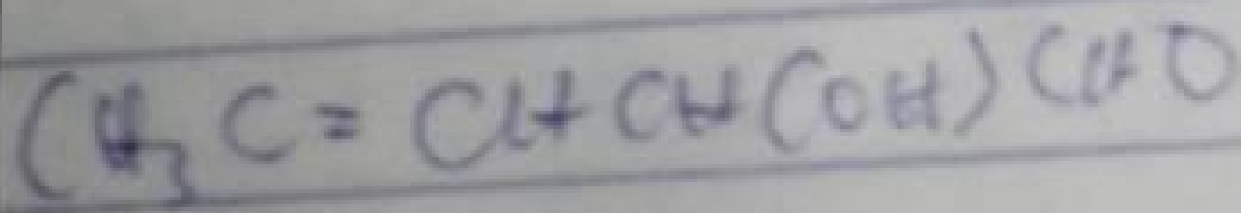


Functional part

Phenol group (C_6H_5) with benzene

Amine

ketone / ketone ($C=O$)



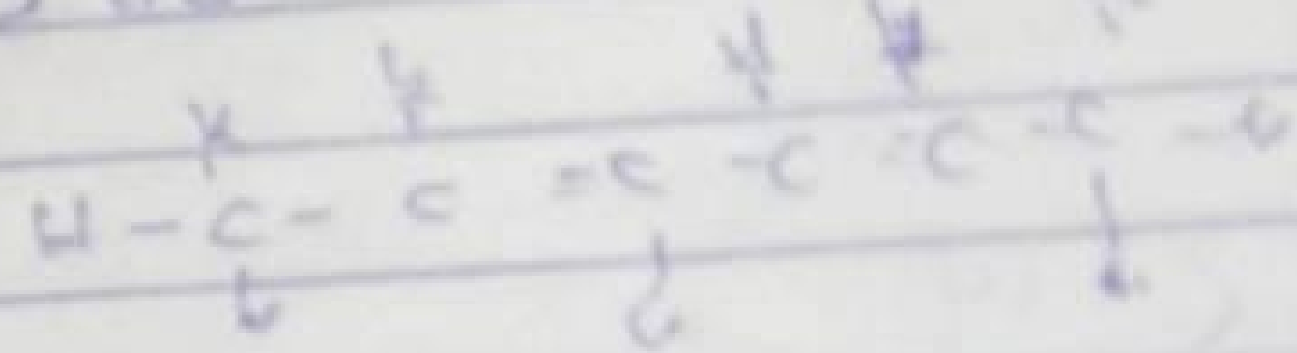
Functional groups

alkene ($C=C$)

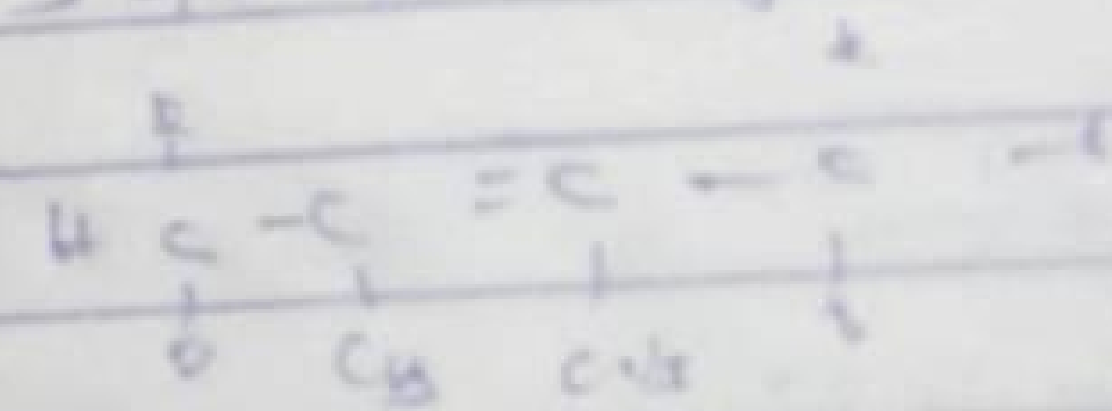
hydroxyl group (OH)

aldehyde (CHO)

2) $H_2C = CH - CH_2 - CH_2 - CH_2 - CH_3$



3) 2,3-Dimethylbut-2-ene



or

