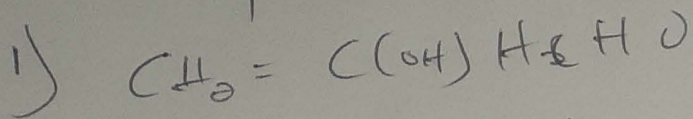
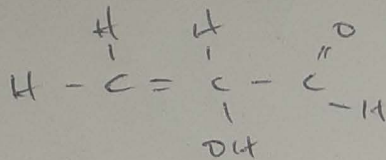


of Propane
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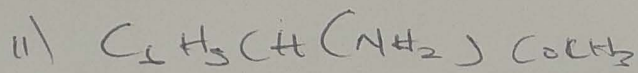


The structural formula

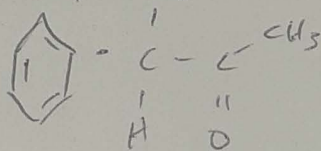


Functional group present in

- Double bond chain = (Alkene)
- OH (hydroxyl group)
- Alcohol (C-OH)

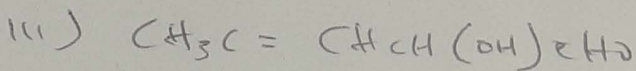


Structure ; NH_2

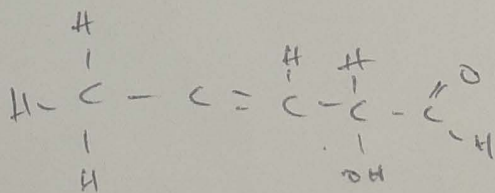


Functional group present

- Phenyl group (C_6H_5) with double bond
- Amine
- Alkaneone / ketone (C=O)



Structure



$\text{C}(\text{H}_2) + \text{H}_2\text{O}$

Functional group Present

- Alkene ($\text{C}=\text{C}$)
- Hydroxyl group (OH)
- Alkyl group ($\text{C}-\text{H}$)

2 Recall,

$$[\alpha] \frac{l}{c} = \frac{\alpha}{l \times c}$$

where

l = length of sample tube

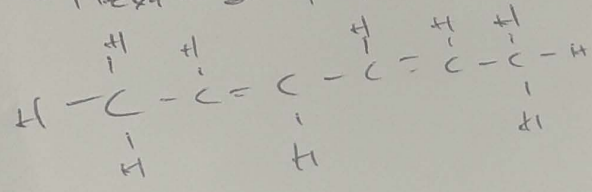
c = $\frac{\text{Mass}}{\text{vol}}$ (g/dl) or g/mol

α = observed rotation

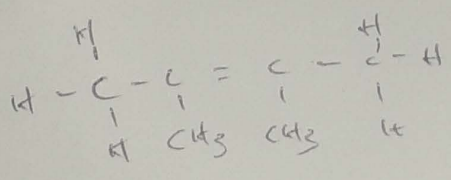
$$S_r = \frac{1.0}{1.0 \times \left(\frac{0.356}{10}\right)}$$

$$S_v = \frac{1}{0.2856} = 11.68$$

3.4) Hexa-2,4-diene



(ii) 2,3-Dimethylbut-2-ene



OR

