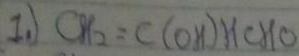
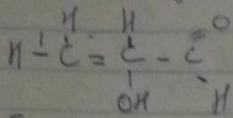


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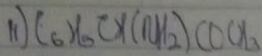


Structural formula

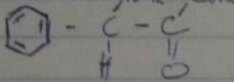


Functional present

- Double bond chain
- OH (hydroxyl) (hydroxyl group)
- $\text{C}=\text{O}$ (alkenal)

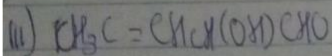


Structure

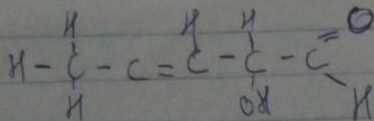


Functional present

- phenyl group (C_6H_5) with double bond
- AAmine
- Alkanone/Ketone $\text{C}=\text{O}$



Structure



- Functional group present

- Alkene
- Hydroxyl
- Alkanol

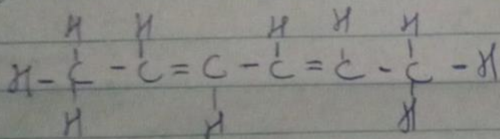
2) Recall $[\alpha]_D^{25} = \frac{\alpha}{l \times c}$

Where

l - length of tube (cm)
 c - mass concentration (g/cm³)

~~$\alpha = 0$~~ $\alpha = 10$
 ~~$S_r = 1.0$~~ $C = 0.856 \text{ g} = 8.56 \times 10^{-2} \text{ g cm}^{-3}$
 ~~$1.0 \times (0.856)$~~ 10 cm^3
 ~~$C = 1.0 \text{ dm}^3$~~
 $S_r = \frac{1}{0.0356} = 11.63 \text{ SR} (\alpha \lambda) = \frac{\alpha}{C \cdot L} = \frac{1}{8.56 \times 10^{-2} \times 1}$
 $= 11.63 \text{ g}^{-1} \text{ cm}^3 \text{ dm}$

3) Neopentane - 2, 4 diene



2, 3 Dimethylbut-2-ene

