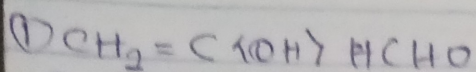


Name: Oluwaseun Oluwadamilade Dabocan

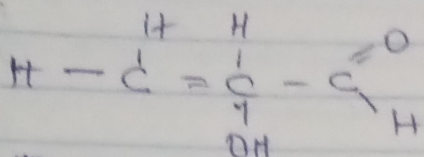
Matric No: 19 (MHS01/331)

Dept: Mbbs

Course code: Chem 102

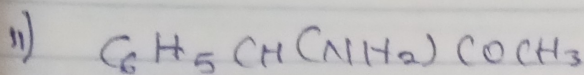


Structural formula

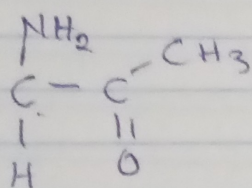
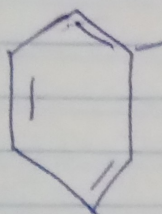


Functional present are

- Double bond chain = Alkene
- OH hydroxy group
- $\text{C}=\text{O}$ Alkanol

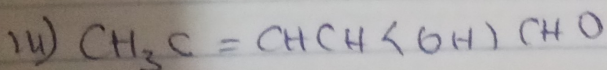


Structure

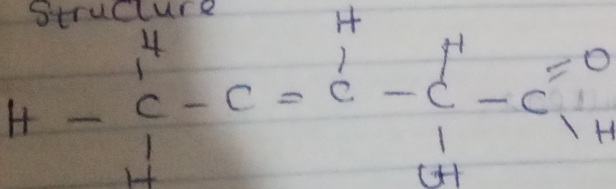


functional present

- Amine
- Alkanol / ketone



Structure



functional present

Alkene $\text{C}=\text{C}$

Hydroxyl group (OH)
 Alkanol $\text{C} \begin{matrix} \text{=O} \\ \text{H} \end{matrix}$

Recall

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

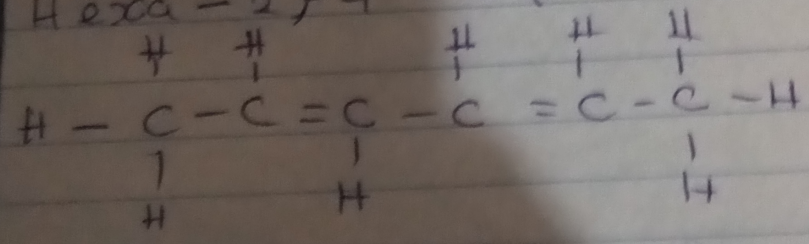
Where l = length of sample pure
 c = $\frac{\text{mass}}{\text{Volume}}$ g/dm³ or g/ml
 α = observed rotation

$$S_r = \frac{1.0}{1.0 \times \left(\frac{0.856}{10} \right)}$$

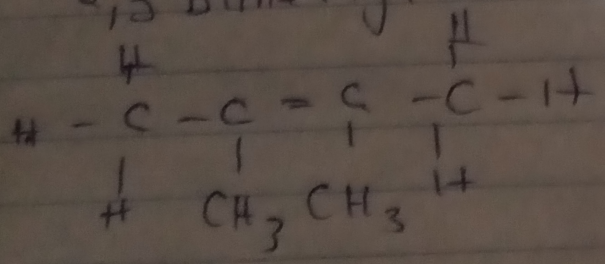
$$S_r = \frac{1}{0.0856} = 1168$$

③ ①

Hexa-2,4 diene



2,3 Dimethyl but-2-ene



or

