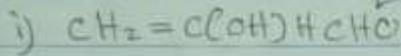


NAME: ALAUSA WASILAT OYINDAMOLA

DEPARTMENT: PHARMACY

MATRIC NO: 19/ M.H.S 11/026

NO 1



functional group

Double bond Alkene

Hydroxyl group (OH)

Aldehydes / Alkanal ($\text{C}^{\text{O}}-\text{H}$)

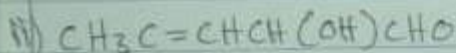


functional group

Aromatic group (Phenyl group)

Amine (NH_2)

Alkaneone / Ketone ($\text{C}^{\text{O}}-\text{R}$)



functional group

Alkene ($\text{C} = \text{C}$) double bond

Hydroxyl group (OH)

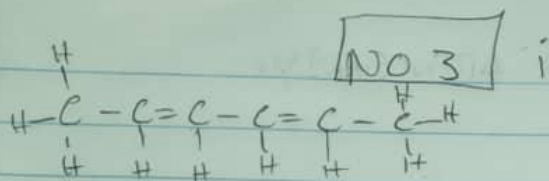
Alkanal $\text{C}^{\text{O}}-\text{H}$ or Aldehydes

NO 2

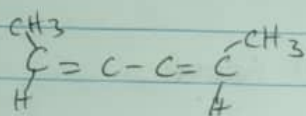
$$\text{concentration (Mol dm}^{-3}\text{)} = \frac{\text{conc. (g dm}^{-3}\text{)}}{\text{Molar mass (g/mol)}}$$

$$[\alpha]_{\lambda}^T = \frac{\alpha}{c \cdot l} ; \alpha = +1.0^\circ = c = \frac{0.856}{10} = 0.0856$$

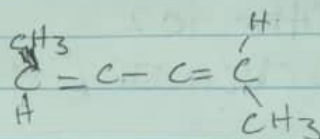
$$= \frac{+1.0}{0.0856} = 11.68^\circ //$$



Hexa-2,4 diene

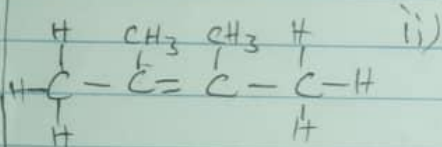


Cis-~~Hexa~~ 2,4 diene

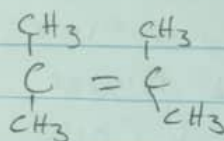


TRANS-~~Hex~~

ii



2,3-dimethylbut-2-ene



No geometric isomer