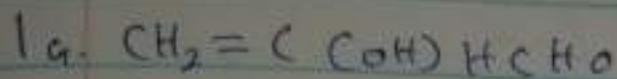
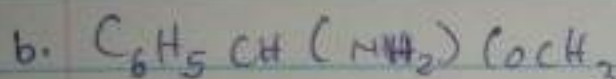
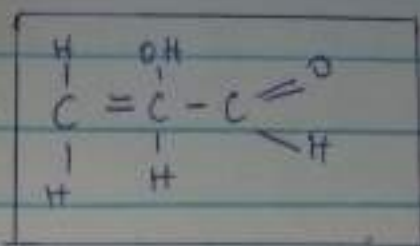


ONUDAH ADAMIA JANET
19/11/2019

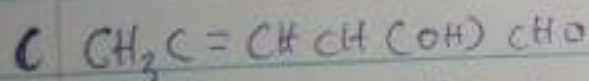
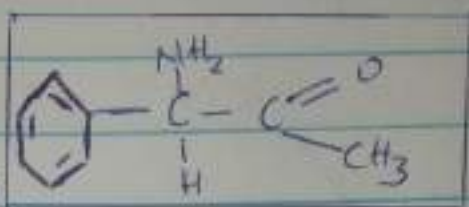


functional group present

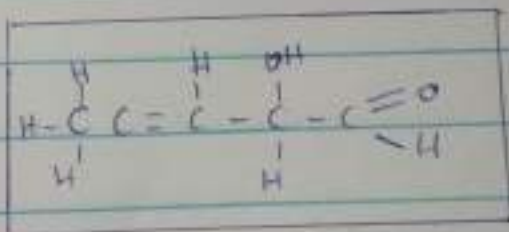
- $-\text{OH} \Rightarrow$ Hydroxyl group
- $-\text{C}=\text{O} \Rightarrow$ Aldehyde (Alkanal)
- $-(=) \Rightarrow$ Alkenes (double bond)



- $-\text{C}=\text{O} \Rightarrow$ Carbonyl group
- $-\text{NH}_2 \Rightarrow$ Amine group
- $\text{C}_6\text{H}_5 \Rightarrow$ Aromatic group



- $-\text{C}=\text{O} \Rightarrow$ Aldehyde
- $-\text{OH} \Rightarrow$ Hydroxyl group
- $-(=) \Rightarrow$ Alkenes (double bond)



$$2 \quad [\alpha]_D^{25} = \frac{\alpha}{c \cdot l}$$

$$S_r = \frac{1.0}{10 \times \left(\frac{0.856}{10}\right)} = \frac{1}{1.0 \times \left(\frac{0.856}{10}\right)}$$

$$S_r = \frac{10}{0.856} = \underline{\underline{11.68^\circ}}$$

where l = length of sample tube

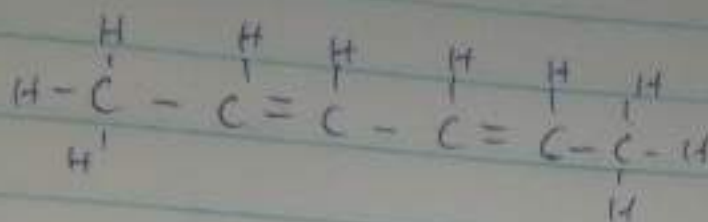
$$c = \frac{\text{mass}}{\text{Volume}} \left(\frac{g}{dm^3}\right) \text{ or } \left(\frac{g}{ml}\right)$$

α = observed rotation

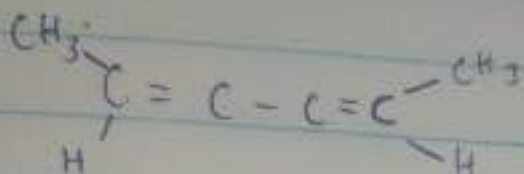
3a Hex-2,4-diene

ADARAH JANET

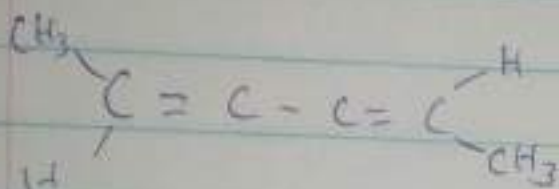
14/11/2013



Hex-2,4-diene

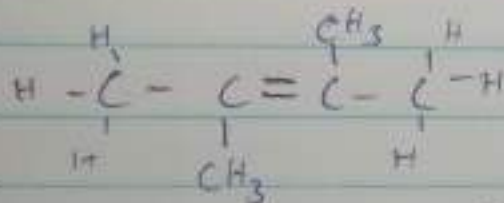


cis-

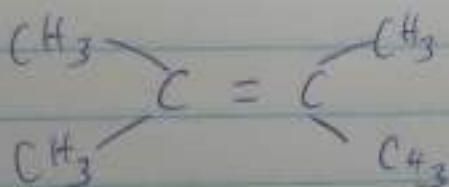


trans-

b 2,3-dimethyl but-2-ene



2,3-dimethyl but-2-ene



No geometric isomer.