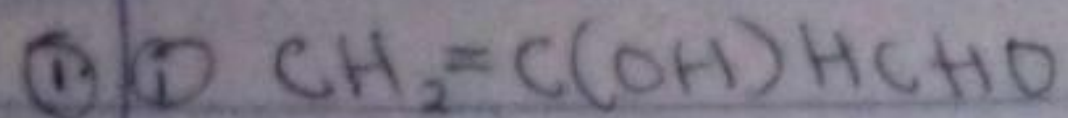


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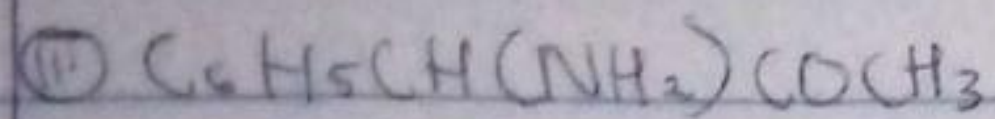
MHS



Func<sup>n</sup> gps: Alkene (double bond chain)

-OH (hydroxyl gp.)

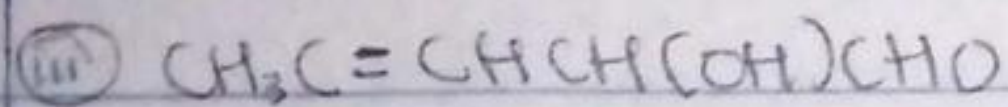
-CHO (Aldehyde)



Func<sup>n</sup> gps: phenol gp.

Amine

Alkanone / ketone



Func<sup>n</sup> gps: Alkene

Hydroxyl (OH)

~~Alkanone~~ Alkanal

② Recall;

$$[\alpha]_{\lambda}^T = \frac{\alpha}{l \times c}$$

where

$l$  = length of sample fibre

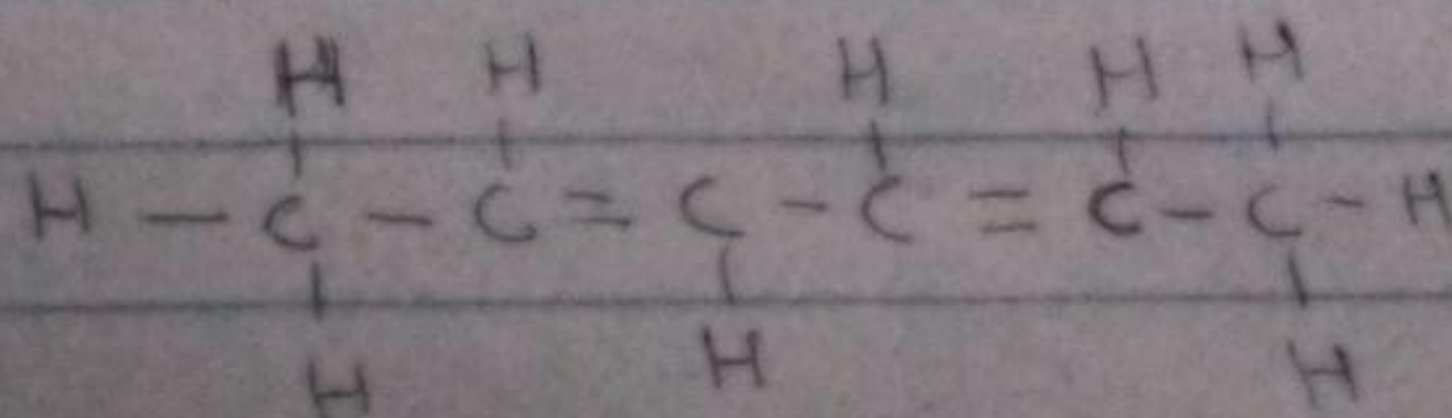
$c$  =  $\frac{\text{mass}}{\text{volume}}$  (g/dm<sup>3</sup>) or (g/ml)

$\alpha$  = observed rotation

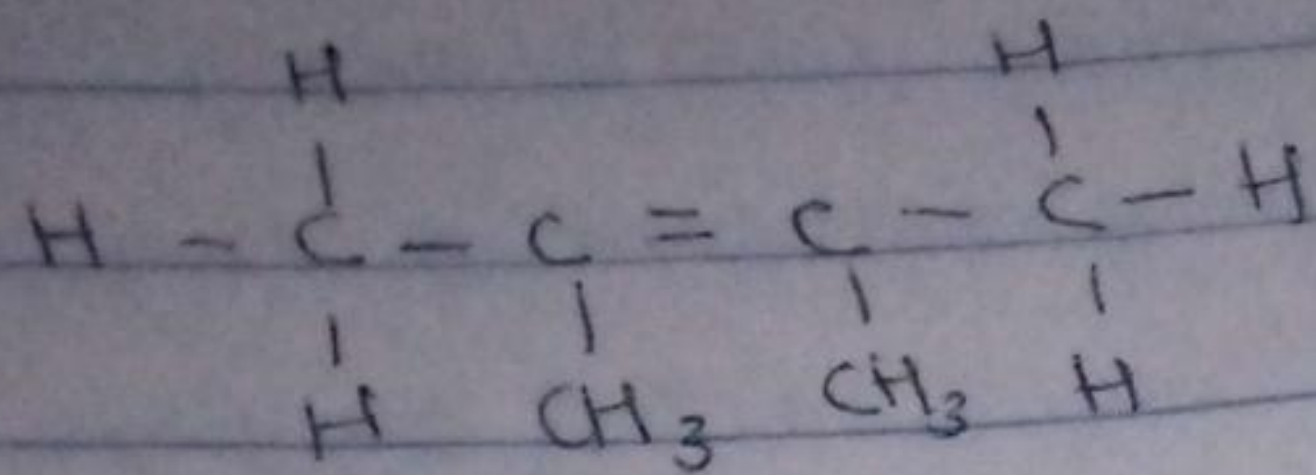
$$S_r = \frac{1.0}{1.0 \times \left(\frac{0.856}{1.0}\right)}$$

$$S_r = \frac{1}{0.0856} = 11.68$$

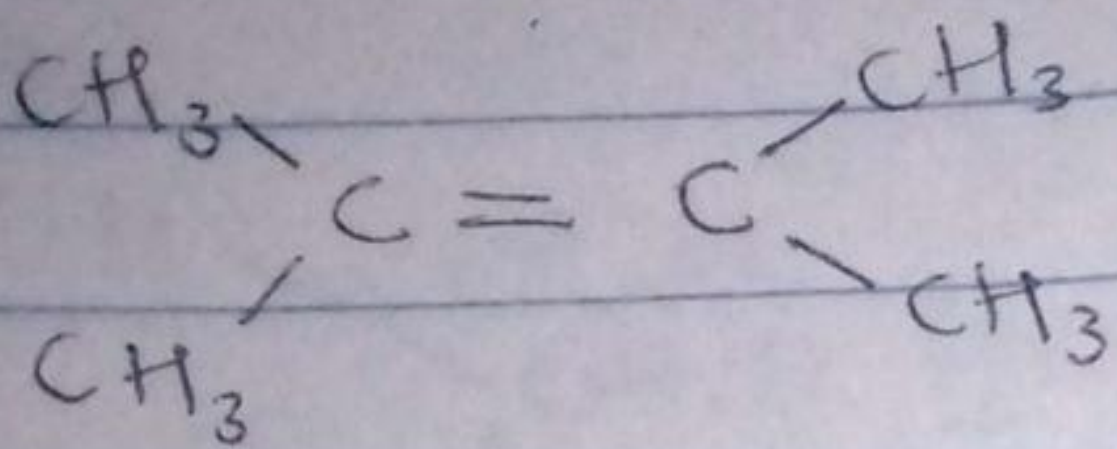
③ Hexa-2,4-diene



2,3-dimethylbut-2-ene



OR



Neo butane