

Hydroxyl group $\langle \text{OH} \rangle$
 Alcohol $\langle \text{C} \rangle$
 H

Recall

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

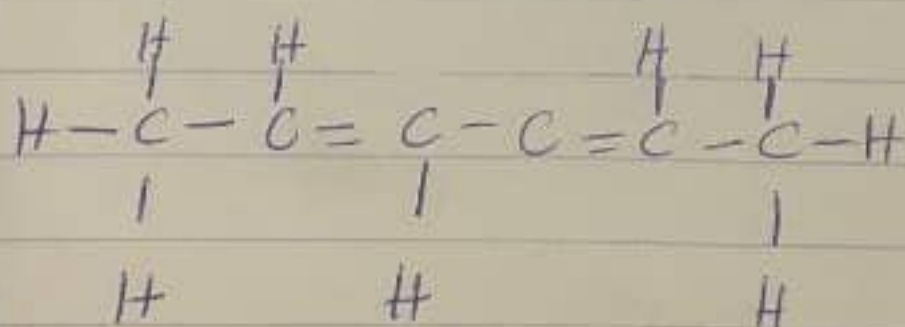
where l = length of sample pure
 c = mass g/dm or g/mol
 Volume

α = observed rotation

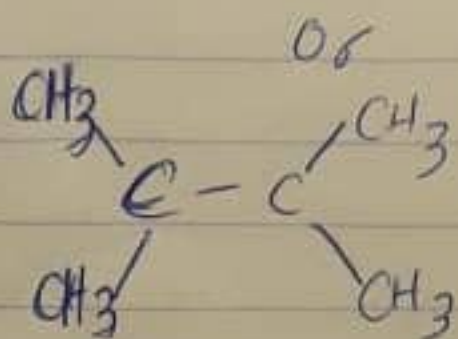
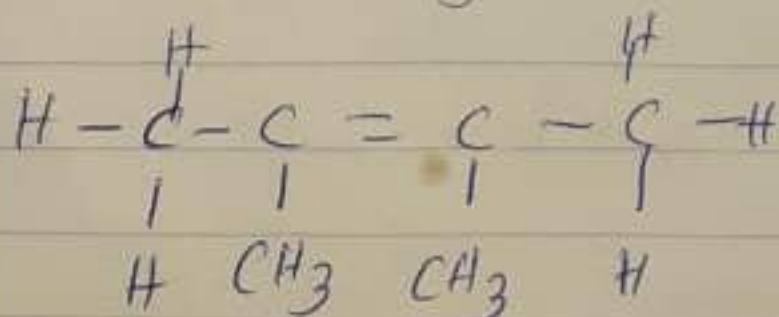
$$S_r = \frac{1.0}{1.0 \times \left(\frac{0.856}{10} \right)}$$

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

30 Hexa-2,4-diene



2,3 dimethyl but-2-ene



trans-butene