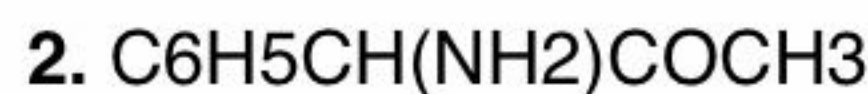


Functional groups present are

- Alkenes(double bond chain)
- Alkanal(CHO)
- Hydroxyl group(OH)



Functional groups present are

- Amines(NH_2)
- Ketones(COR)
- Phenyl group



Functional groups present are

- Aldehyde(CHO)
- Hydroxyl group(OH)
- Alkenes(double bond chain)

2. Specific rotation= Observed rotation

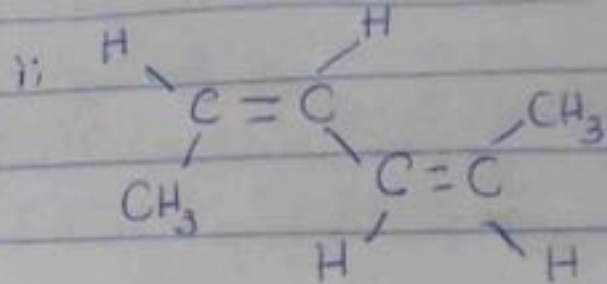
(conc g/cm³)x path length of
sample cell(dm)

$$= \frac{1}{0.0856(1)}$$

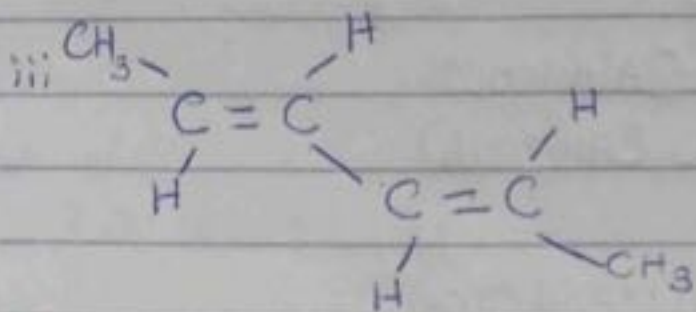
$$0.0856(1)$$

$$= 1/0.0856$$

Specific rotation=11.68

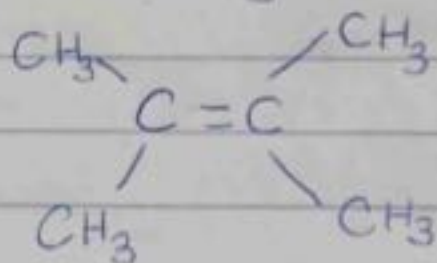


cis, cis - hexa-2,4-diene



trans, trans - hexa-2,4-diene -

b. 2,3-dimethyl but-2-ene



This compound has no geometric isomers because there are two identical groups attached to the same carbon atom of the double bond.