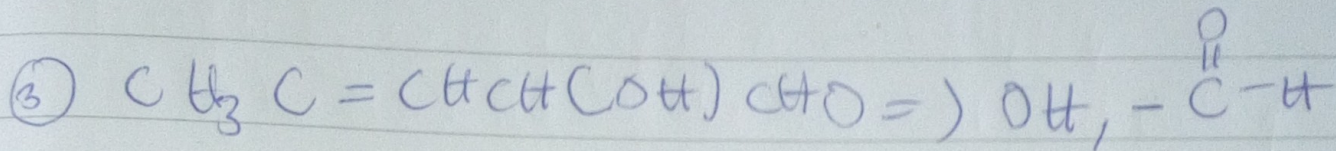
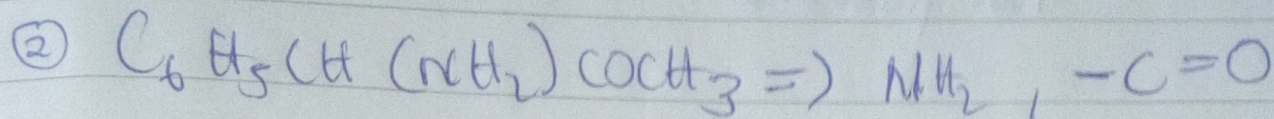
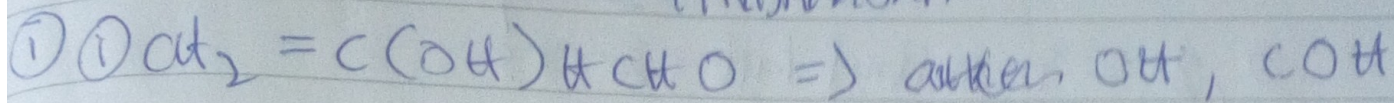


19/11/2013

SARINI BASTIRA AYUNDAH

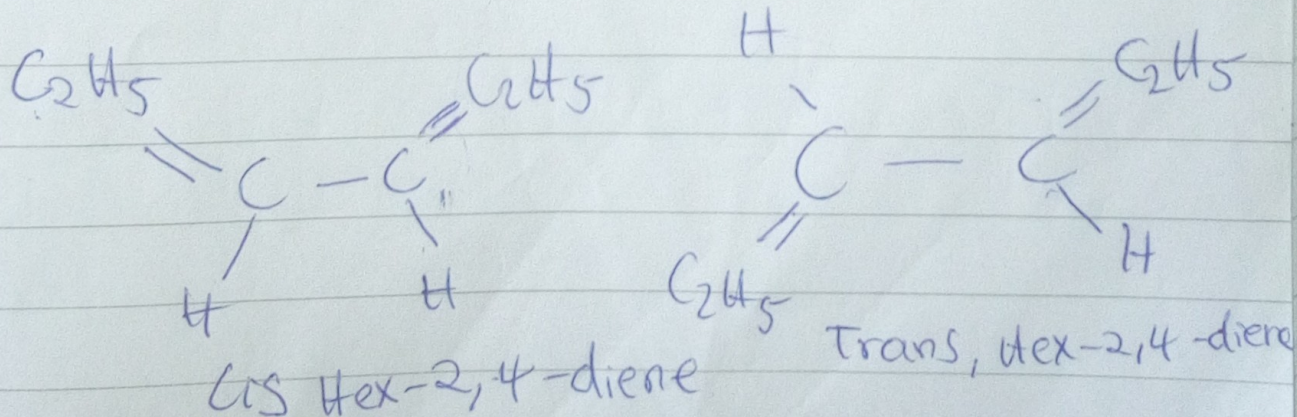


② mass = ~~0.856g~~ 0.856g, volume = 10 cm<sup>3</sup>  
path length = 1.0 dm observed rotation = 1°

Specific rotation =  $\frac{\text{observed rotation (}^\circ\text{)}}{(\text{concentration g/cm}^3) \times \text{path length of sample cell in dm}}$

=  $\frac{+1}{\left(\text{conc} = \frac{0.856}{10}\right) (1 \text{ dm})}$  =  $\frac{1}{0.0856}$   
= ~~11.628~~ 11.68 g<sup>-1</sup>cm<sup>3</sup>dm<sup>-1</sup>  
= +11.68 g<sup>-1</sup>cm<sup>3</sup>dm<sup>-1</sup>

③ Hexa-2,4-diene





(ii)

2,3, - Dimethyl but-2-ene  
not possible