

Which of the following compound was the starting material for the oxidation shown below?



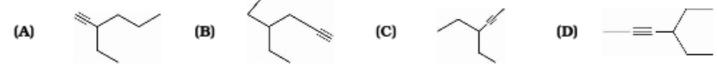
$$X \xrightarrow{KMnO_4/H^{\perp}} OH + CO_2$$
 The structure of X is:

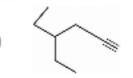


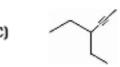


- Optically active isomer (A) of (C5H9Cl) on treatment with one mole of H2 gives an optically inactive compound (B). Compound (A) will be:
  - $CH_3 CH CH = CH_2$  $CH_2Cl$
- $CI CH CH = CH CH_3$ ĊH<sub>3</sub>
- $CH_3 CH_2 CH CH = CH_2$
- None of these
- \*104. Which alkyne will give 3-ethylhexane on catalytic hydrogenation?









- What is the final product, C, of the following reaction sequence?



