



# ORGOREVIEW

## Question Vault

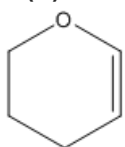
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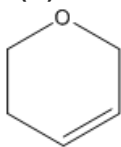
Compound 1 ( $C_5H_6O$ ) is not chiral and has an infrared absorption at  $1704\text{ cm}^{-1}$ . Compound 1 reacts with methyllithium to give a racemic mixture of two chiral compounds. Hydrogenation of the racemic mixture gives compound 2 ( $C_6H_{12}O$ ) which, like compound 1, is not chiral.

Choose the answer for structure 1 that is consistent with this data.

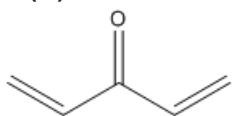
☐ (A)



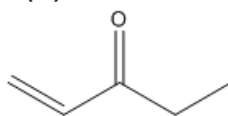
☐ (B)



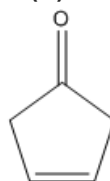
☐ (C)



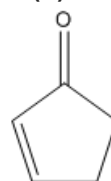
☐ (D)



☐ (E)



☐ (F)



## VIDEO SOLUTION



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