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Give the structure of an unknown compound A (C_5H_8O) that is chiral ((R)-enantiomer), shows a strong absorption in the infrared spectrum at $3200-3550\text{cm}^{-1}$ and undergoes catalytic hydrogenation (H_2/Pd) to give a new compound ($C_5H_{10}O$) that is achiral (not chiral) and shows a strong absorption in the infrared spectrum at $3200-3550\text{cm}^{-1}$.

VIDEO SOLUTION



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