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Question Vault

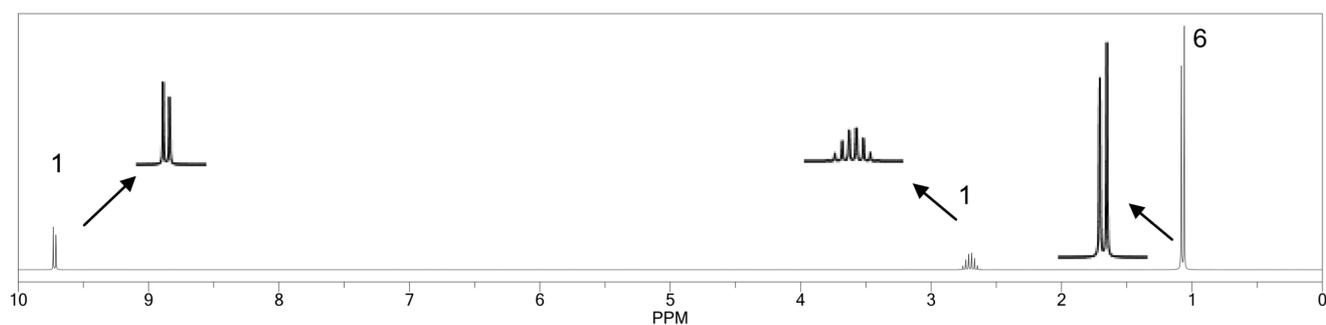
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Give structures of compounds **A**, **B**, **C** and **D** that are consistent with the following data.

- (a) Reaction of **A** with OsO_4 gives a meso diol **B**.
- (b) Ozonolysis of **A** gives only one product, compound **C** ($\text{C}_4\text{H}_8\text{O}$).
- (c) The reaction of **A** with $\text{CH}_2\text{I}_2/\text{Zn}(\text{Cu})$ gives hydrocarbon **D**.
- (d) The ^{13}C spectrum of **A** gives only three signals.
- (e) The ^1H -NMR spectrum of **C** is given below.



VIDEO SOLUTION



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