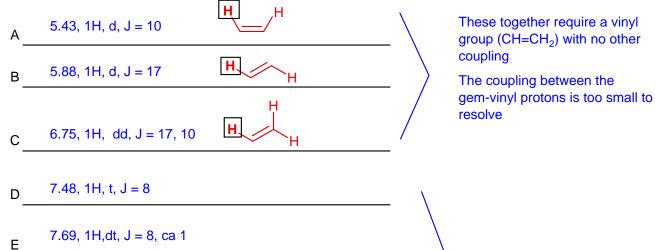


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Problem R-10D ($C_8H_7NO_2$). Determine the structure of **R-10D** from the 1H NMR spectrum provided.

Problem R-10D (C₈H₇NO₂). Determine the structure of **R-10D** from the ¹H NMR spectrum provided.

- 2 (a) DBE 6
 - (b) Analyze the ¹H NMR signals. For each of the signals listed below report multiplicity and coupling constants to the extent the signals are amenable to first order analysis, and the **part structure** each corresponds to.



F 8.07 1H, ddd, J = 8, 2, 1

8.22 1H, t, J = 1.5 (probably dd)

These together require a meta-substituted benzene

(c) Give the structure of **R-10D**. If more than one structure is possible, circle your best choice.

13

10

