

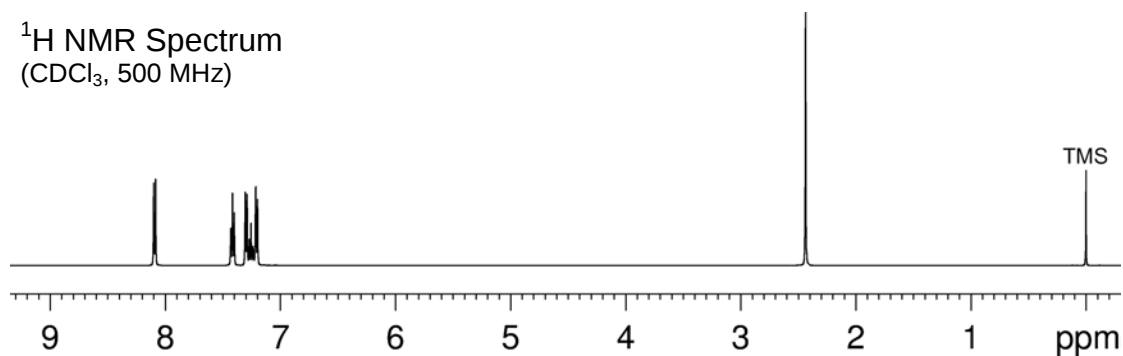
## Problem 19

Identify the following compound.

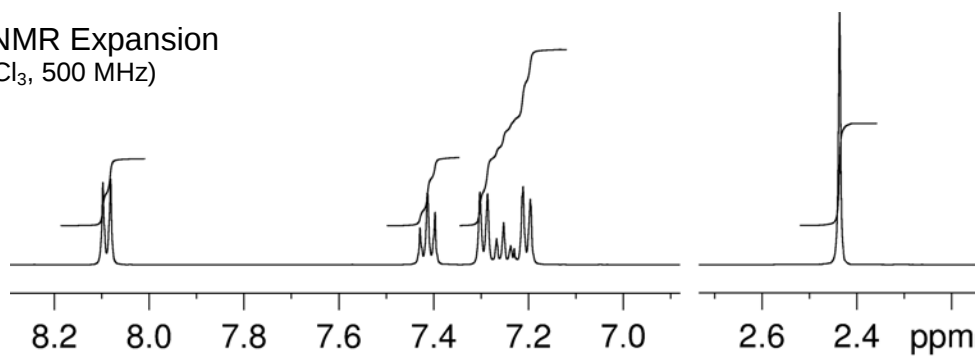
Molecular Formula:  $C_{14}H_{12}O_2$

IR:  $1720\text{ cm}^{-1}$

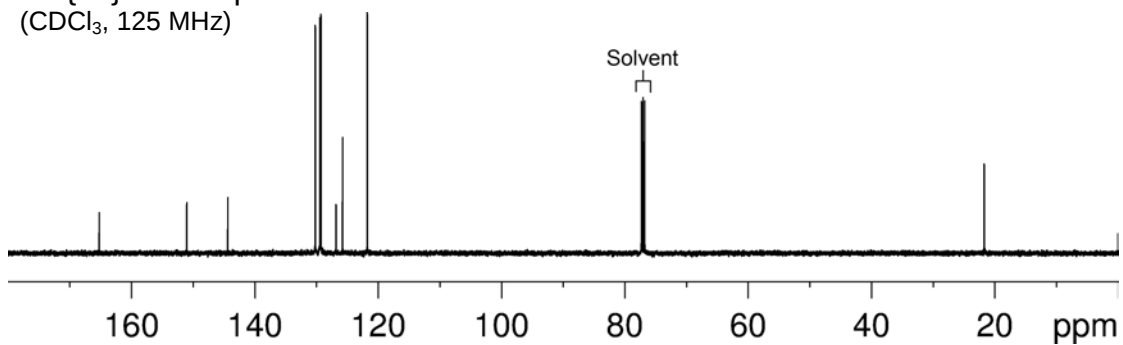
$^1\text{H}$  NMR Spectrum  
( $\text{CDCl}_3$ , 500 MHz)



$^1\text{H}$  NMR Expansion  
( $\text{CDCl}_3$ , 500 MHz)



$^{13}\text{C}\{^1\text{H}\}$  NMR Spectrum  
( $\text{CDCl}_3$ , 125 MHz)



$^{13}\text{C}\{^1\text{H}\}$  NMR Expansion  
( $\text{CDCl}_3$ , 125 MHz)

