

Organic Chemistry II

CHM 224

Take Home Problem Set

This compound contains C, H, and O atoms. Based on the spectral data, 1) Determine the most likely molecular formula for this compound, 2) Identify and label the IR absorption that indicates the presence of an oxygen-containing functionality, 3) Propose a structure for this compound, and 4) Assign each of the signals in the ^1H NMR to the hydrogen atoms in your structure.

