

A Problem-Based Learning Approach to Spectroscopic Structure Determination

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Errata

Add to Worksheet (p. 9)

1. Molecular Formula

#H's not attached to C

2.

carbonyl (160-220)

alkene (100-160)

p. 29: $7.26 + 0.09 + 0.64 = 7.99$

p. 30 Example B $C_{11}H_{16}O$; 31,4, q (3)

p. 35 apparent symmetry in ^{13}C data is not real

p. 36 apparent symmetry in ^{13}C data is not real

Problems

2.1 26.7 should be 27.7

2.4 29.7, s 46.4, t

2.6 1.55, m, dt...3H

2.11 5.64, tdd

2.14 3.35, dd, add 4.9 Hz 3.57 dd add 7.5 Hz

2.15 $C_9H_{16}O_2$

2.22 C₄H₇N

2.24 duplicate of 2.12

2.25 CH₂ is missing from ¹³C data

2.28 duplicate of 2A

2.33 2.10, s

2.42 4.21, q

2.47 does not converge well