

Exercise: Interpret the NMR spectrum below, assign all protons, extract coupling constants. In particular, make sure you understand the multiplets at δ 3.2, 3.8 and 4.5. Explain the two doublets at δ 2.6 and 2.9. Consider possible conformations that might rationalize the couplings observed, as well as the chemical shift of the proton at δ 12.4.

