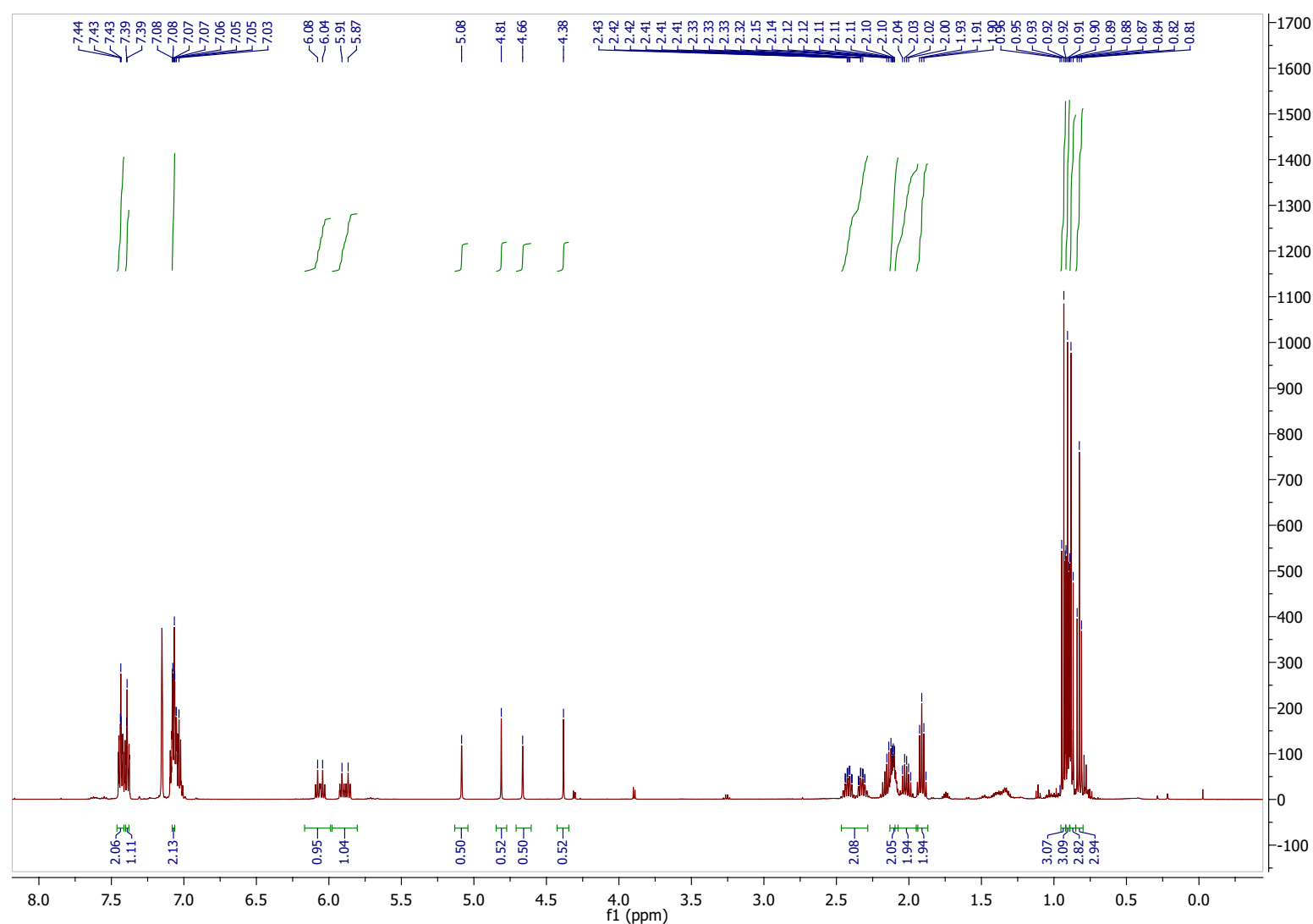




nmr is science



Double hydrophosphination of 3-hexyne

Christine Bance, 2016

Chemistry Department | University of Vermont

Field strength: 500 MHz

Why is this your favorite spectrum?

I love the pair P-H single bonds ($J_{PH} = 210$ Hz) that are E and Z isomers. I also love the vinyl protons and their splitting. This is an especially challenging substrate for hydrophosphination as it is unactivated.