



(1,1)-diphenylethylene

Caroline Mangione, 2018

Chemistry Department | University of Vermont

Field strength: 400 MHz

Why is this your favorite spectrum?

This is my first NMR spectrum! I synthesized a Grignard reagent from bromobenzene and introduced acetophenone, and performed an E2 reaction on the intermediate alcohol with strong acid. The product was confirmed by GC-MS and both proton and carbon-13 NMR spectra. The symmetry of the molecule made this spectrum a breeze to analyze. The large singlet peak confirmed there was still intermediate alcohol in the final product (the acidic proton was still there). I look forward to many more spectra!

Comments: Credit given to my TA who actually ran the NMR. Thanks, Adam!