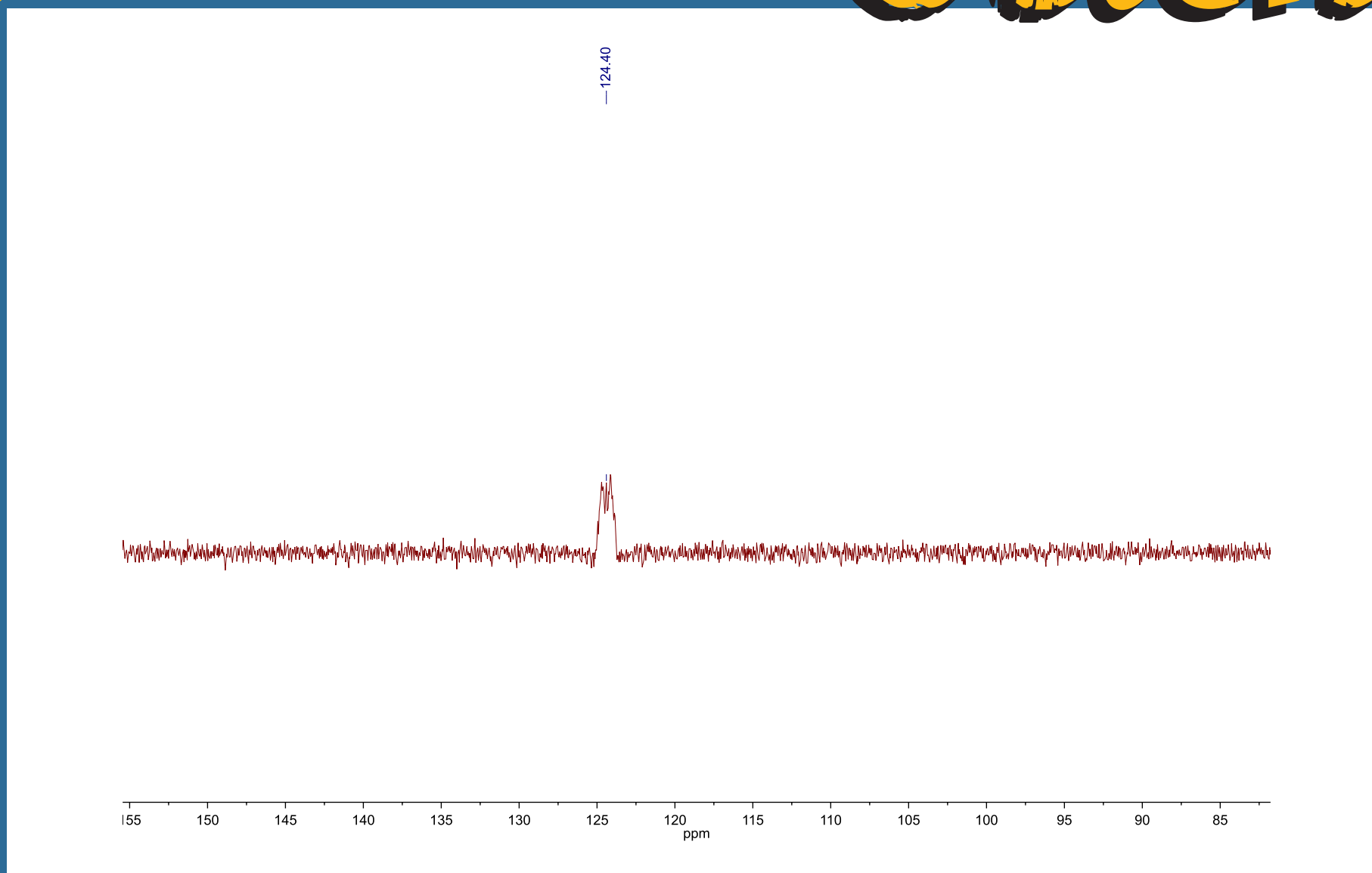


22

NMR is *Science*



Ni₂Si₂ bridging hydride dimer

Amy Bartrom, 2015

Chemistry Department | University of California, Riverside

Field strength: 600 MHz

Why is this your favorite spectrum?

Silicon has a very low abundance which makes it a difficult heteroatom to detect. The ^{29}Si NMR experiment took 22 hours to collect in order to acquire a spectrum that demonstrated a good signal-to-noise ratio. The multiplet is a result of the silicon atom coupling to the bridging hydrides present in the core of the complex.