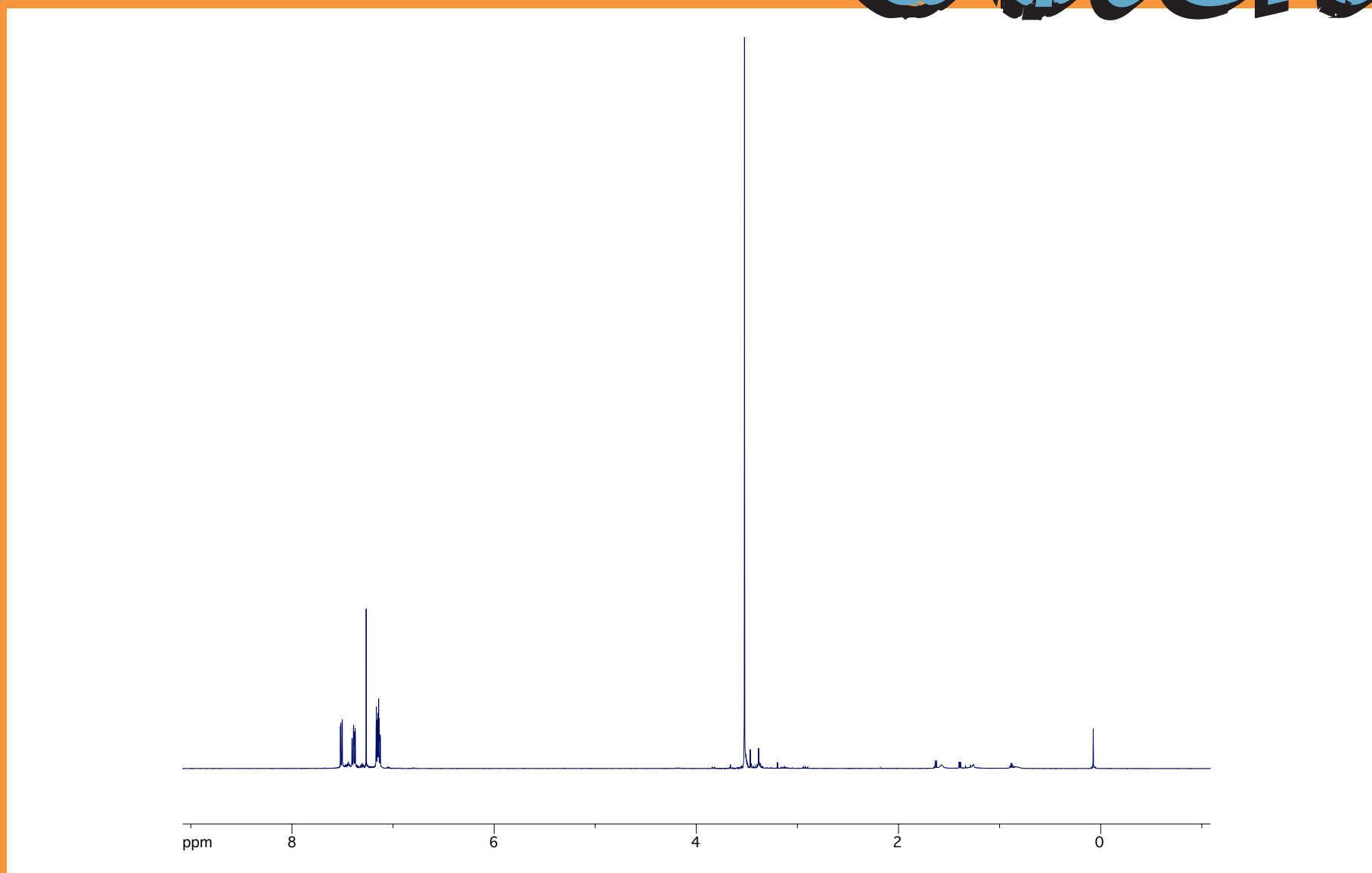


68

NMR is *Science*



A benzodithiazinone

Matt Henley, 2015

Program in Chemical Biology | University of Michigan, Ann Arbor

Field strength: 500 MHz

Why is this your favorite spectrum?

It was a long and difficult road to get such a simple molecule. It took approximately three months to get a working procedure for one of the starting materials, a reactive disulfanyl chloride. Once I had it, the reaction to make this molecule proceeded in only ~5% yield, with a lot of other side products that made it difficult to fish out of the reaction mixture. It was very satisfying to see the difference between the crude NMR and this.