

Supplementary Material

Synthesis and application of a novel bis-1,2,3-triazole ligand containing a 2,2'-bipyrrolidine core

Stephen E. Motika, Xiaodong Shi*

Department of Chemistry, University of South Florida, Tampa, FL 33620, USA

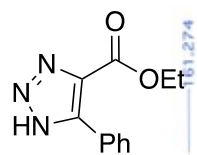
Email: xmshi@usf.edu

Table of Contents

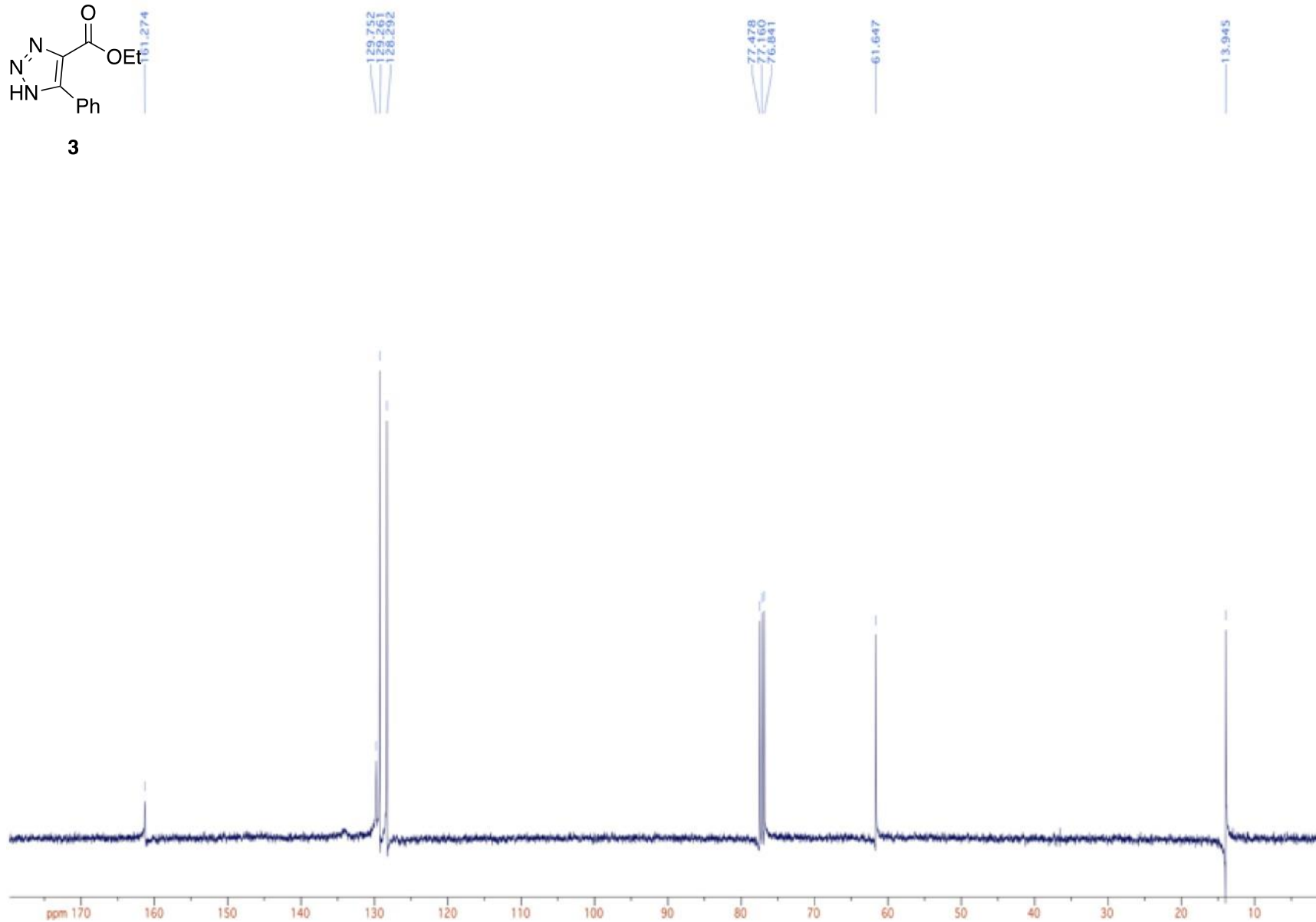
1. General Remarks	S2
2. NMR spectra for title compounds	S3
3. 1D NOE analysis of compound 5	S16

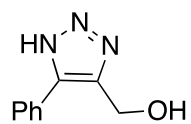
1. General Remarks

^1H NMR, ^{13}C NMR and ^{31}P NMR spectra were recorded on an Agilent 400 MHz spectrometers. Chemical shifts for starting materials and products were reported relative to tetramethyl silane (0.00 ppm) or NaOD (4.80 ppm) for ^1H NMR data, CDCl_3 (77.0 ppm) or CD_3OD (49.9) for ^{13}C NMR and $\text{H}_3\text{PO}_4/\text{D}_2\text{O}$ for ^{31}P NMR data.



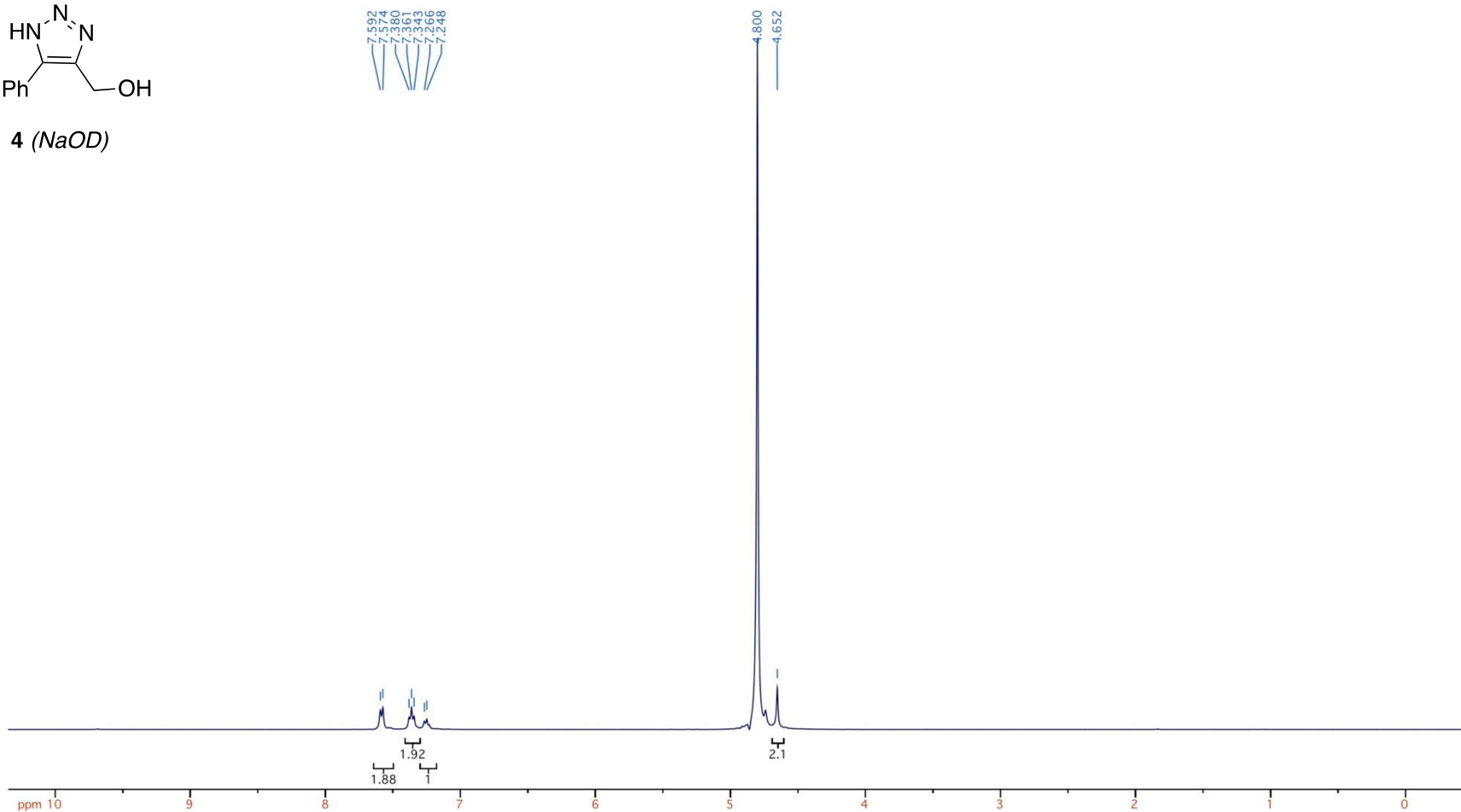
3

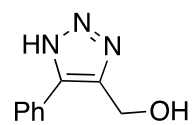




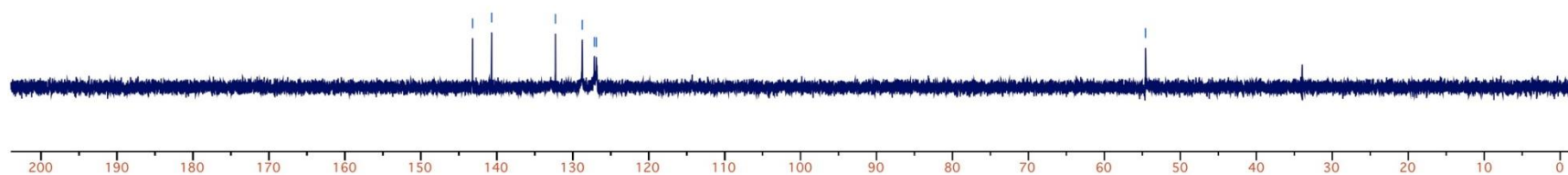
4 (NaOD)

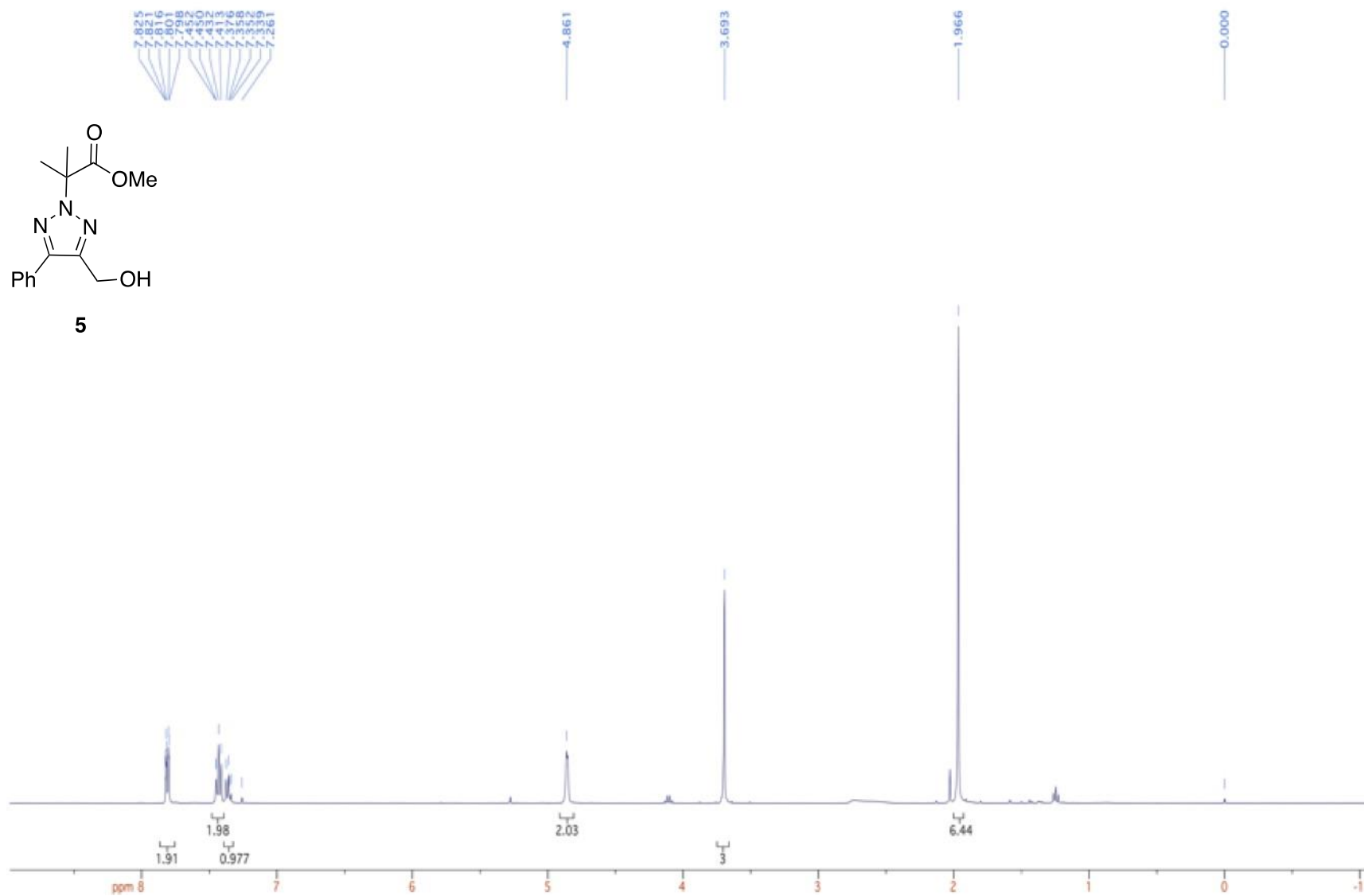
7.592
7.574
7.560
7.391
7.383
7.298

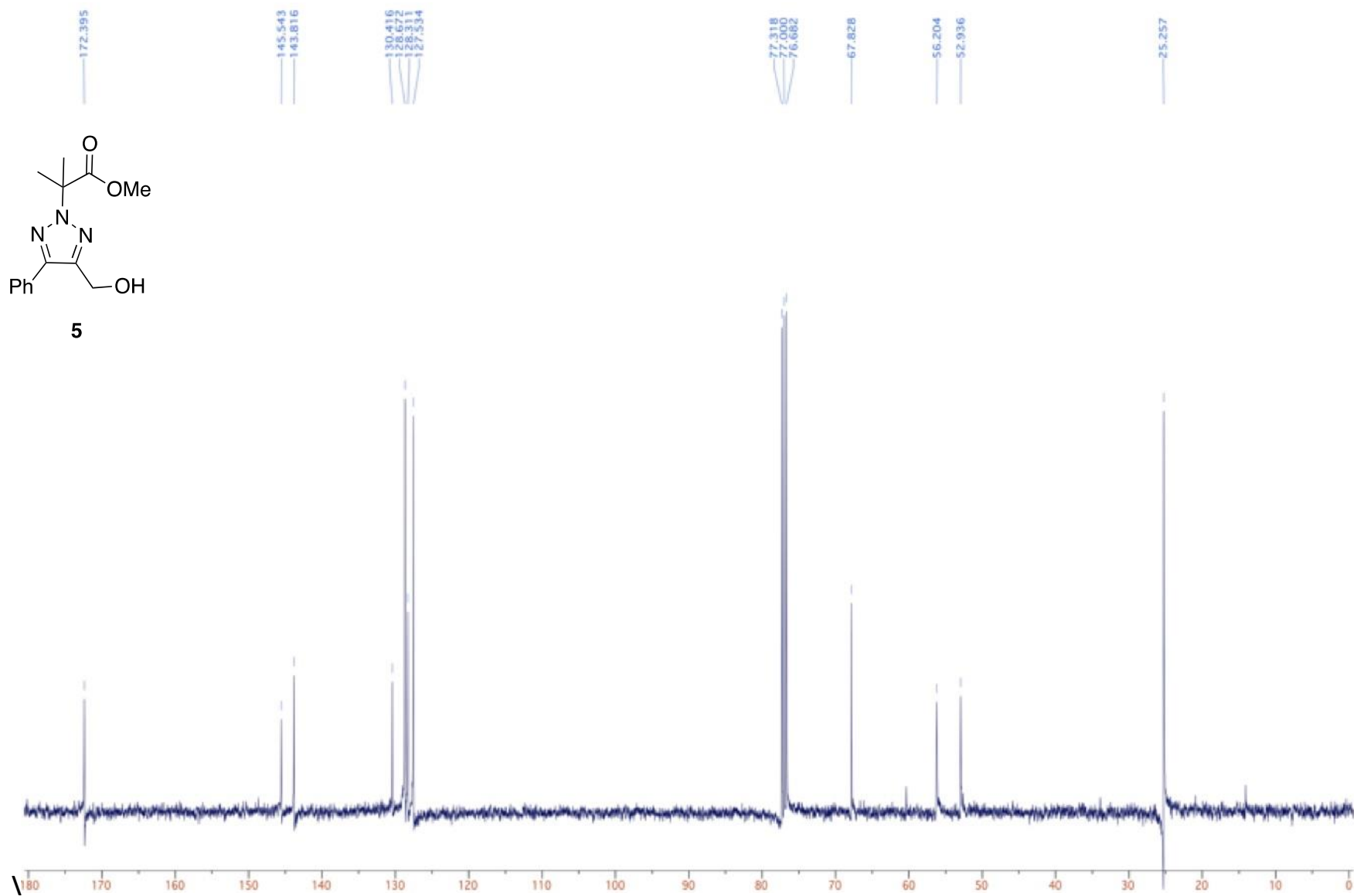


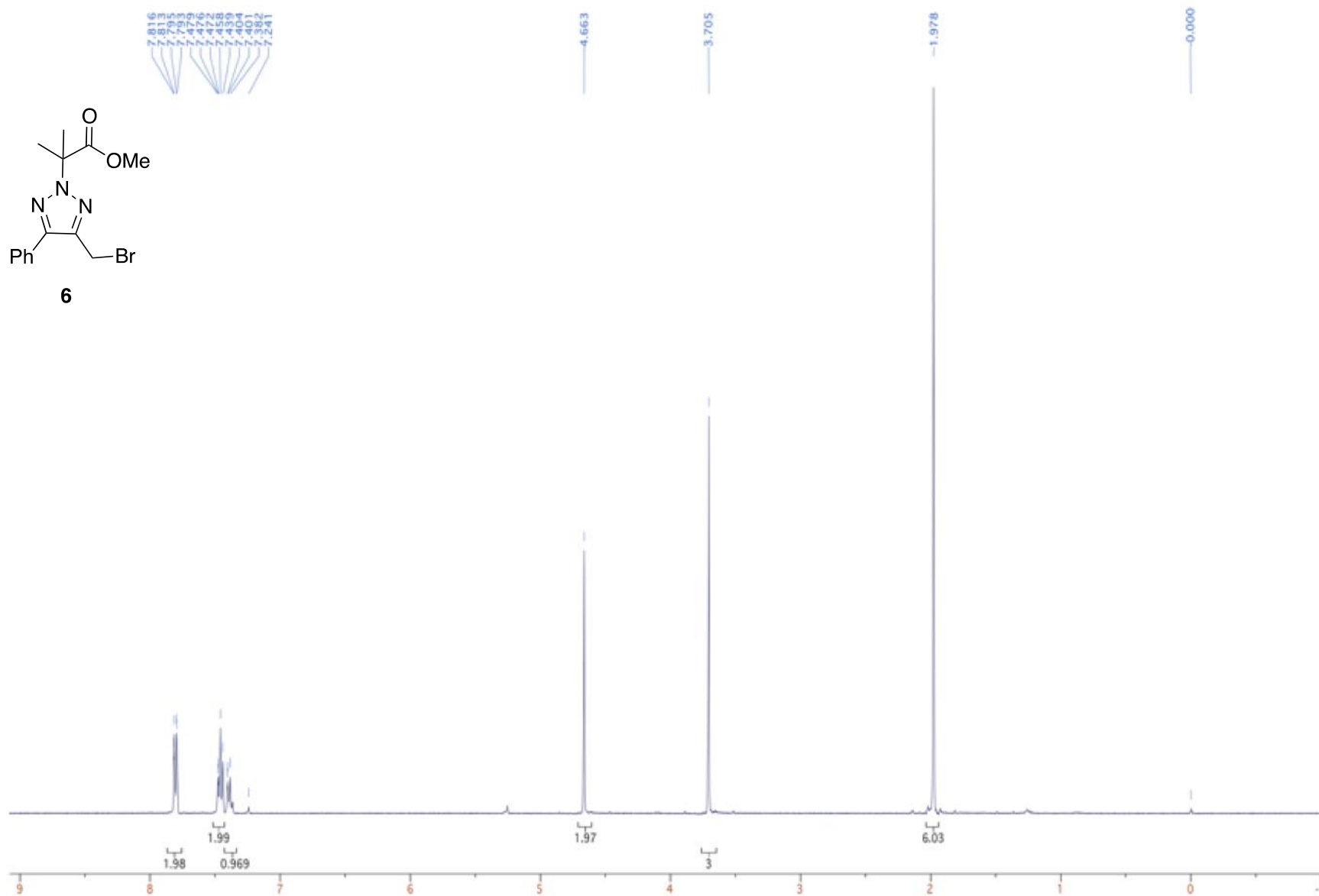


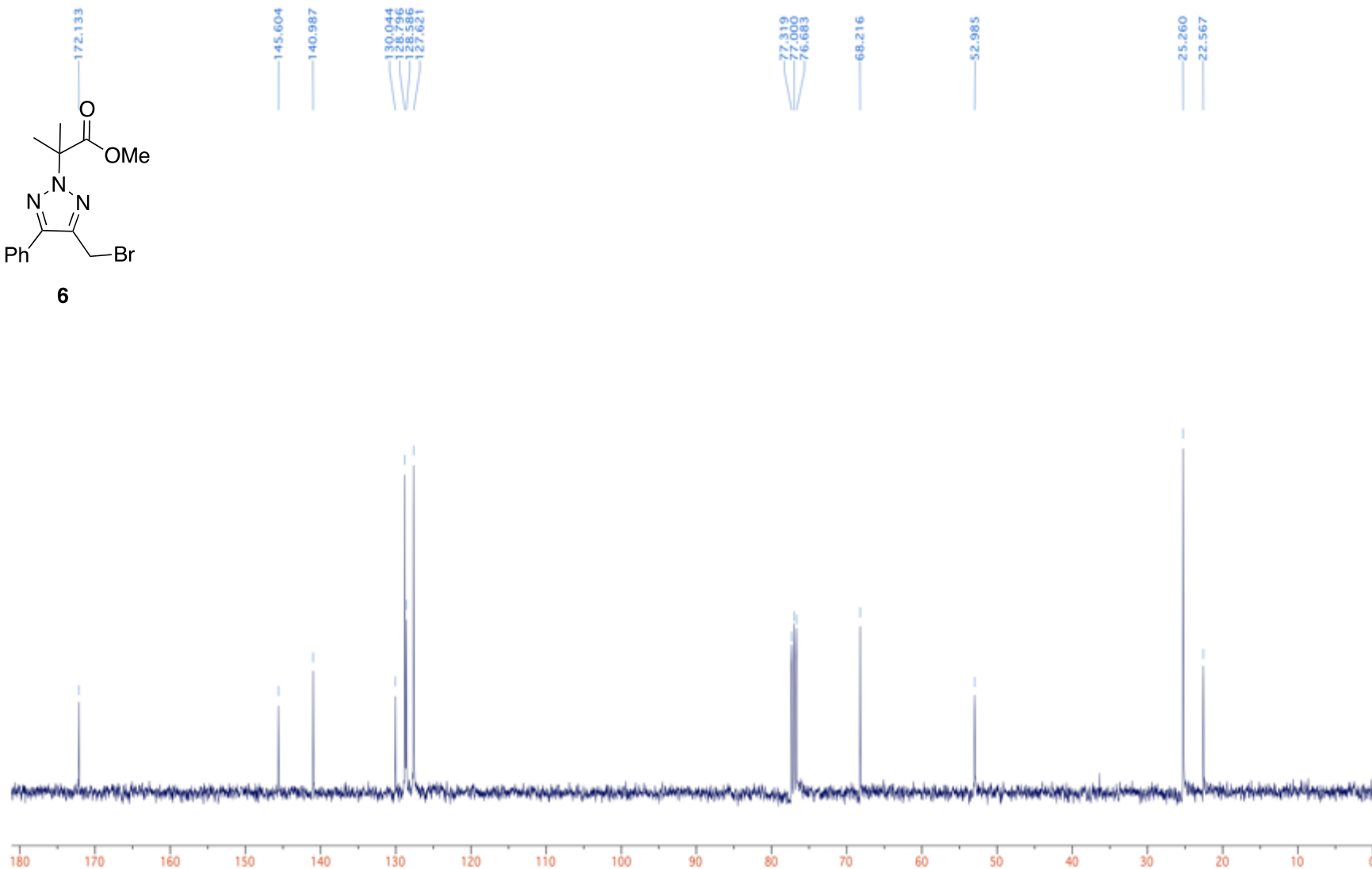
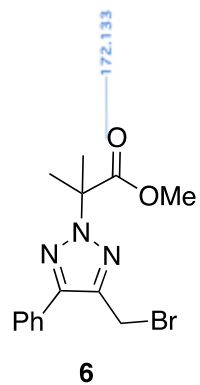
4 (NaOD)

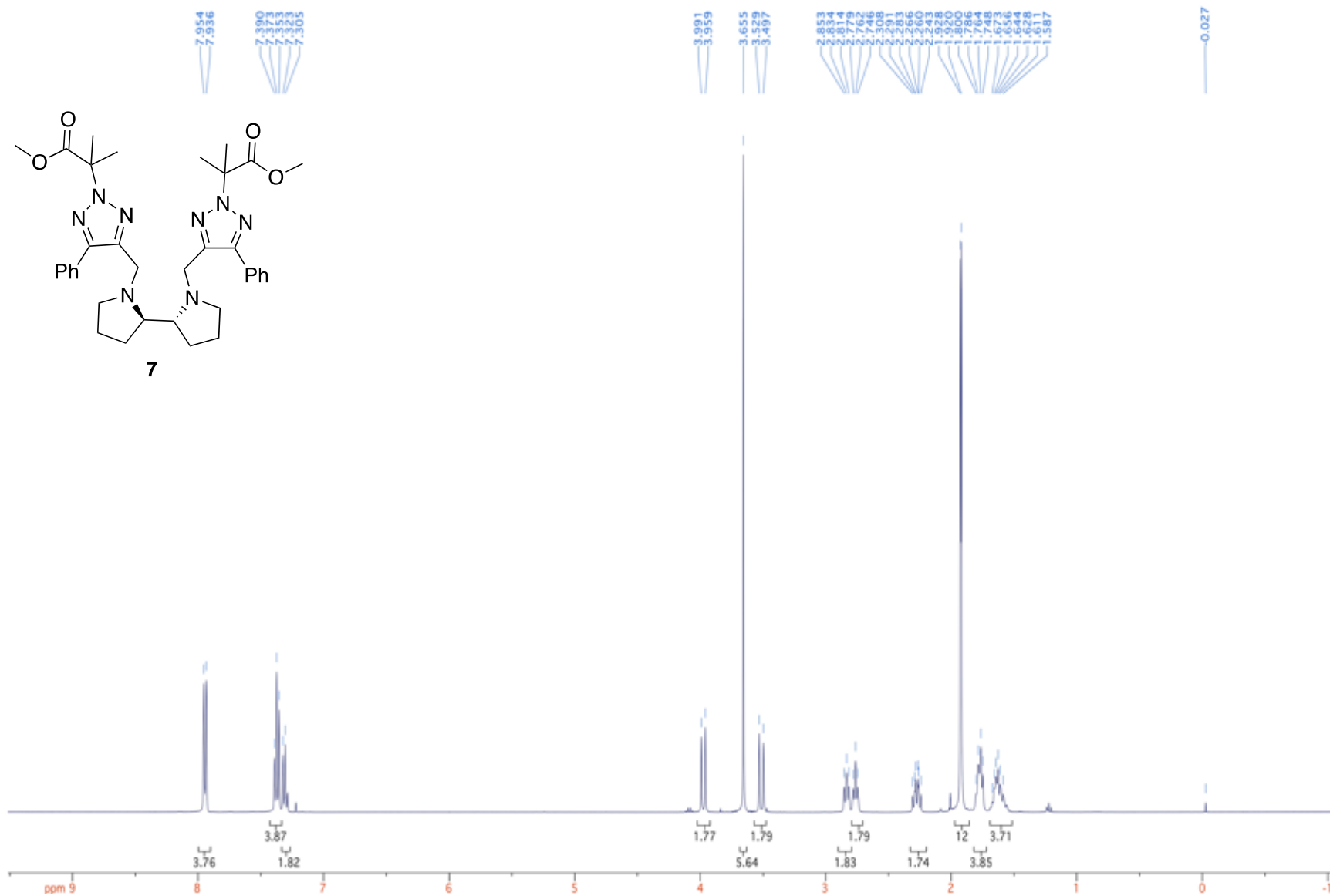


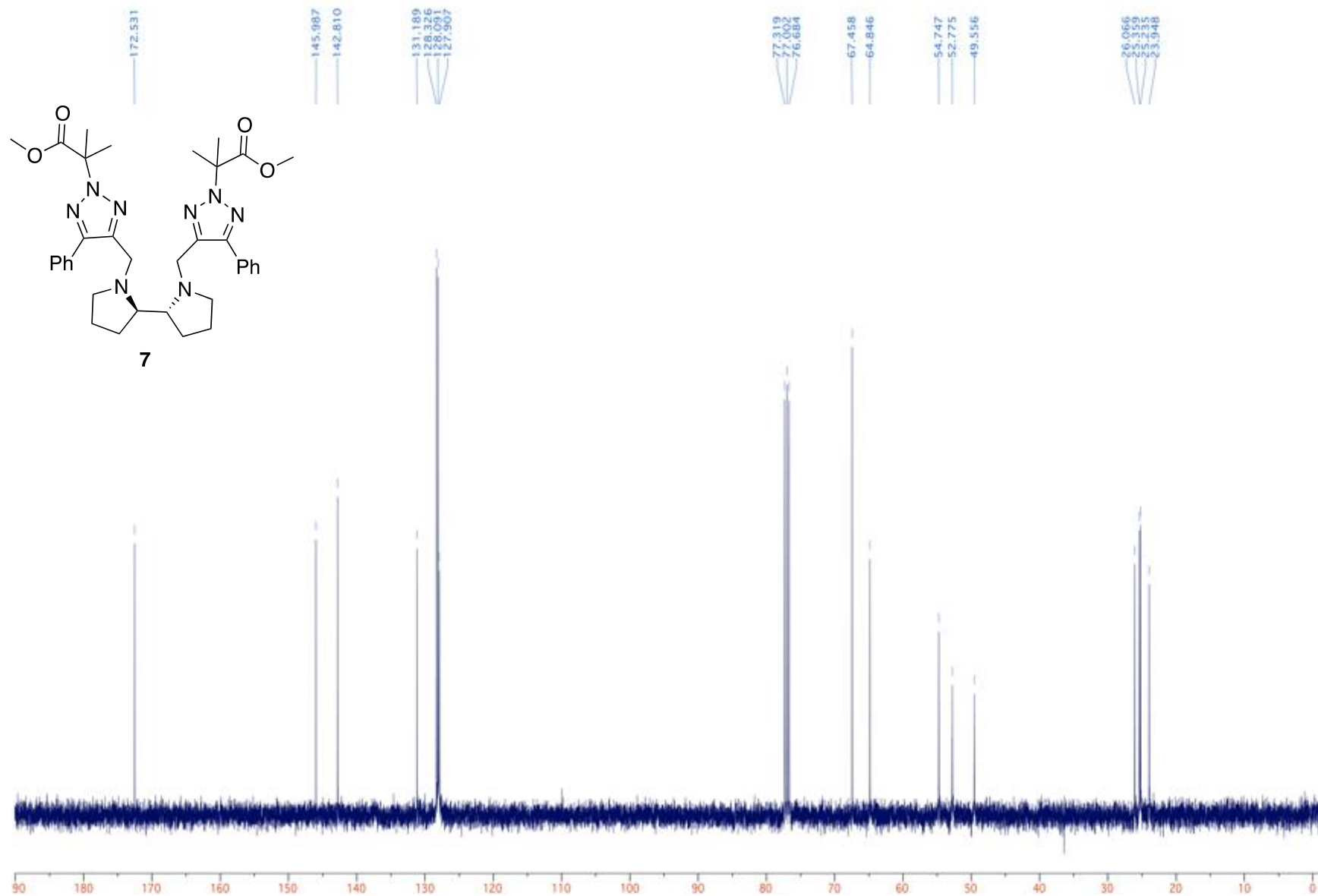


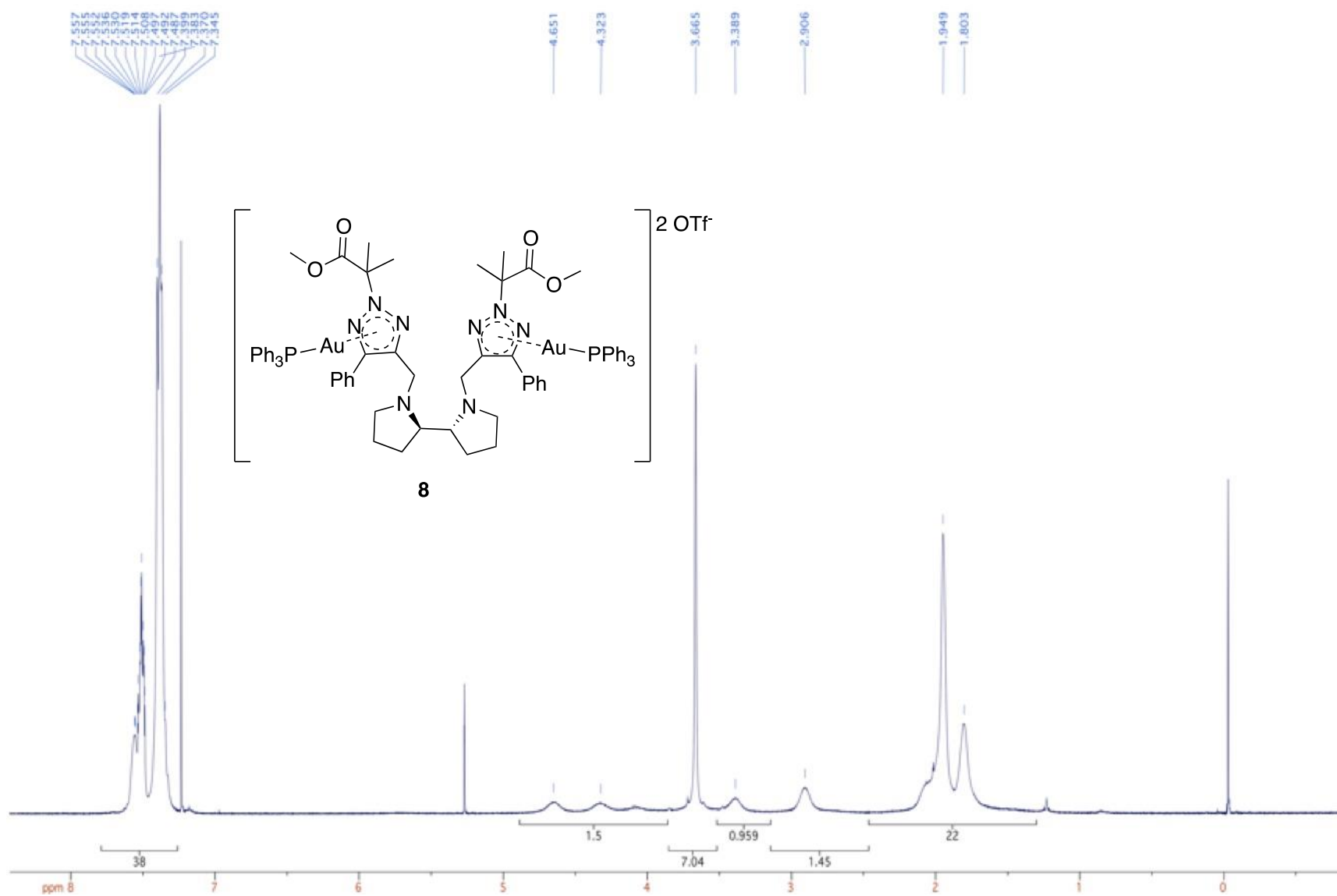


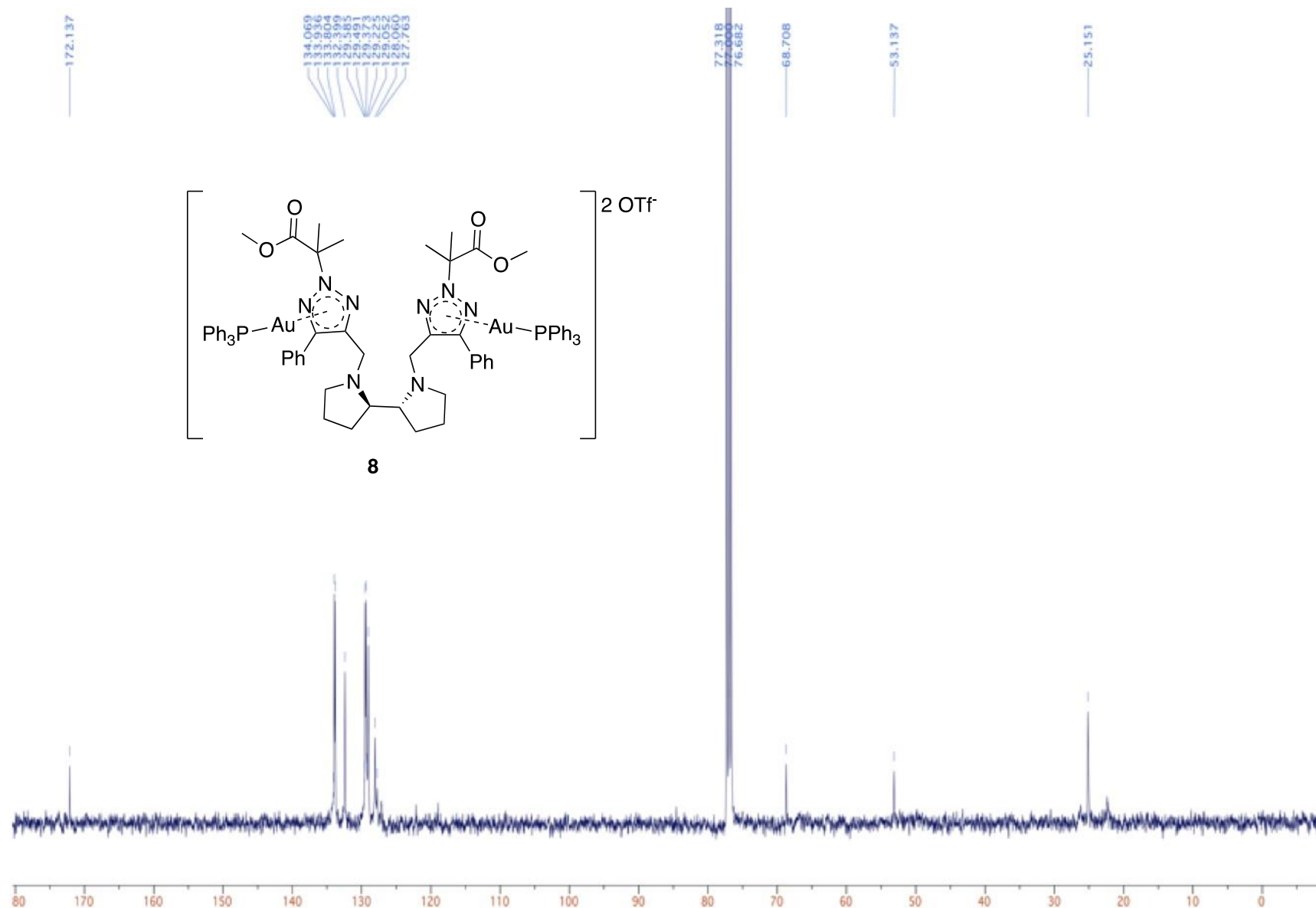


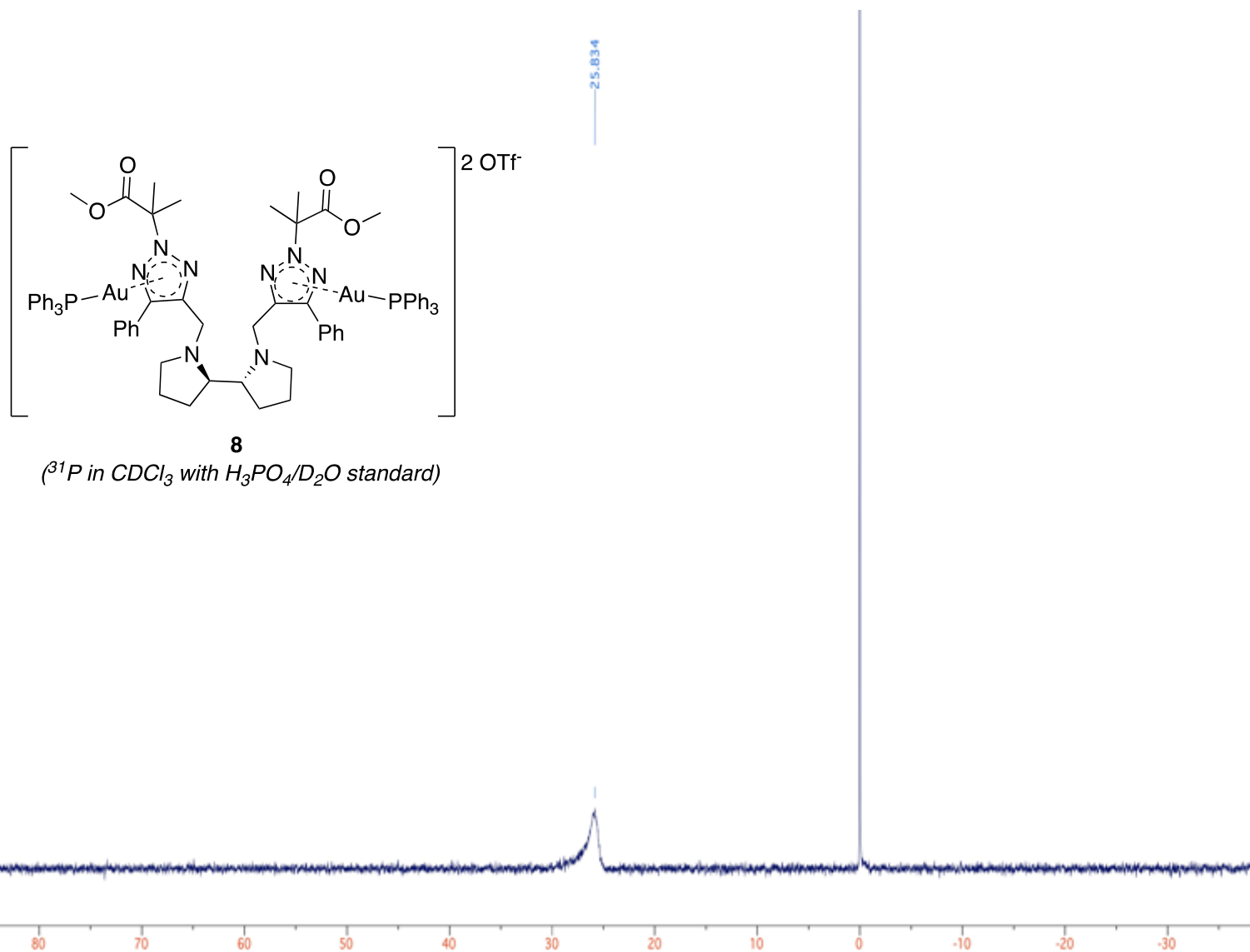












3. 1D NOE Analysis of Compound 5

