

Supplementary Materials

Dichloro(η^6 -*p*-cymene)(*P,P*-diphenyl-*N*-propyl-phosphinous amide- κP)ruthenium(II)

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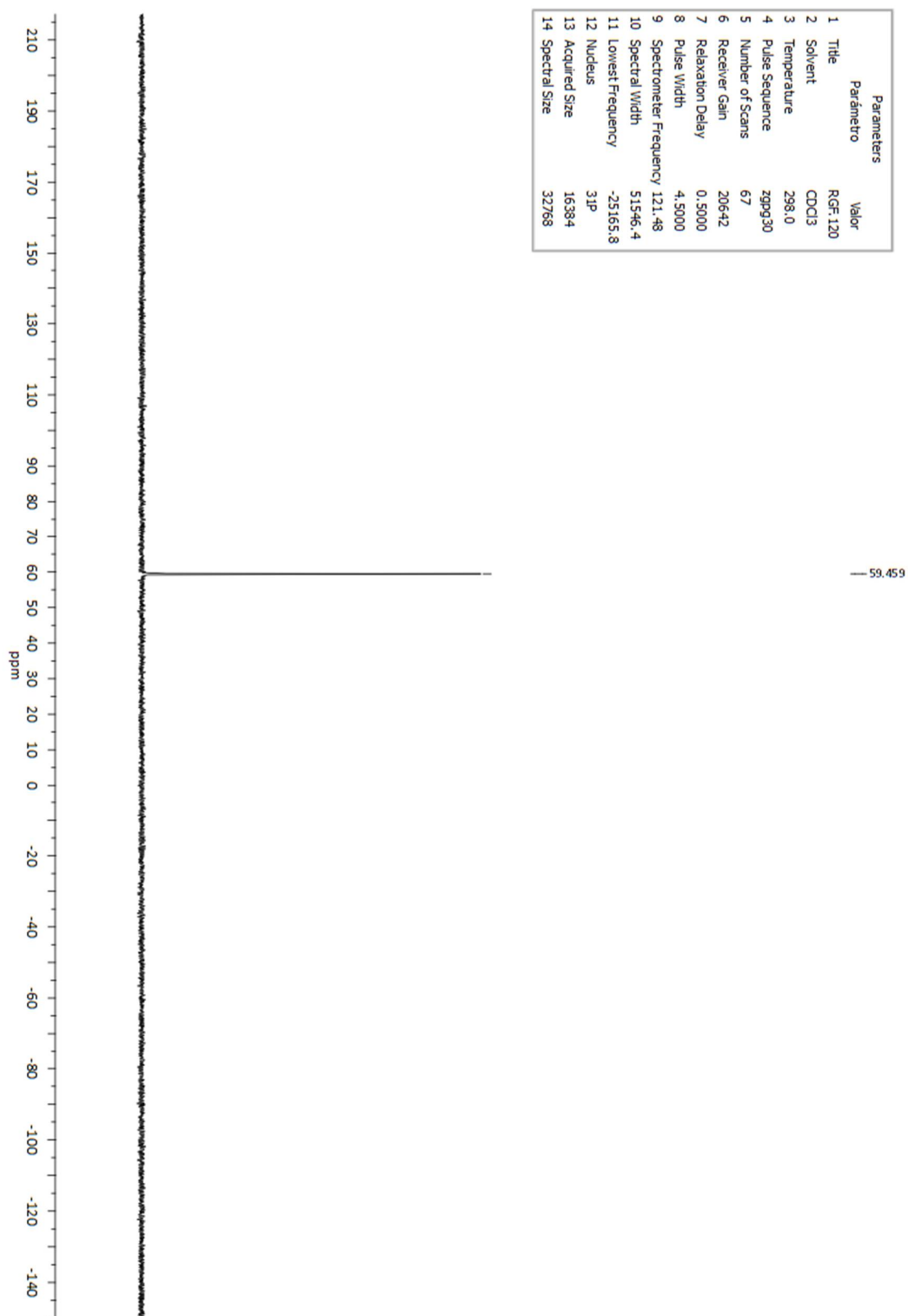


Figure S1: $^{31}\text{P}\{^1\text{H}\}$ NMR spectrum (121 MHz, CDCl_3) of compound **2**.

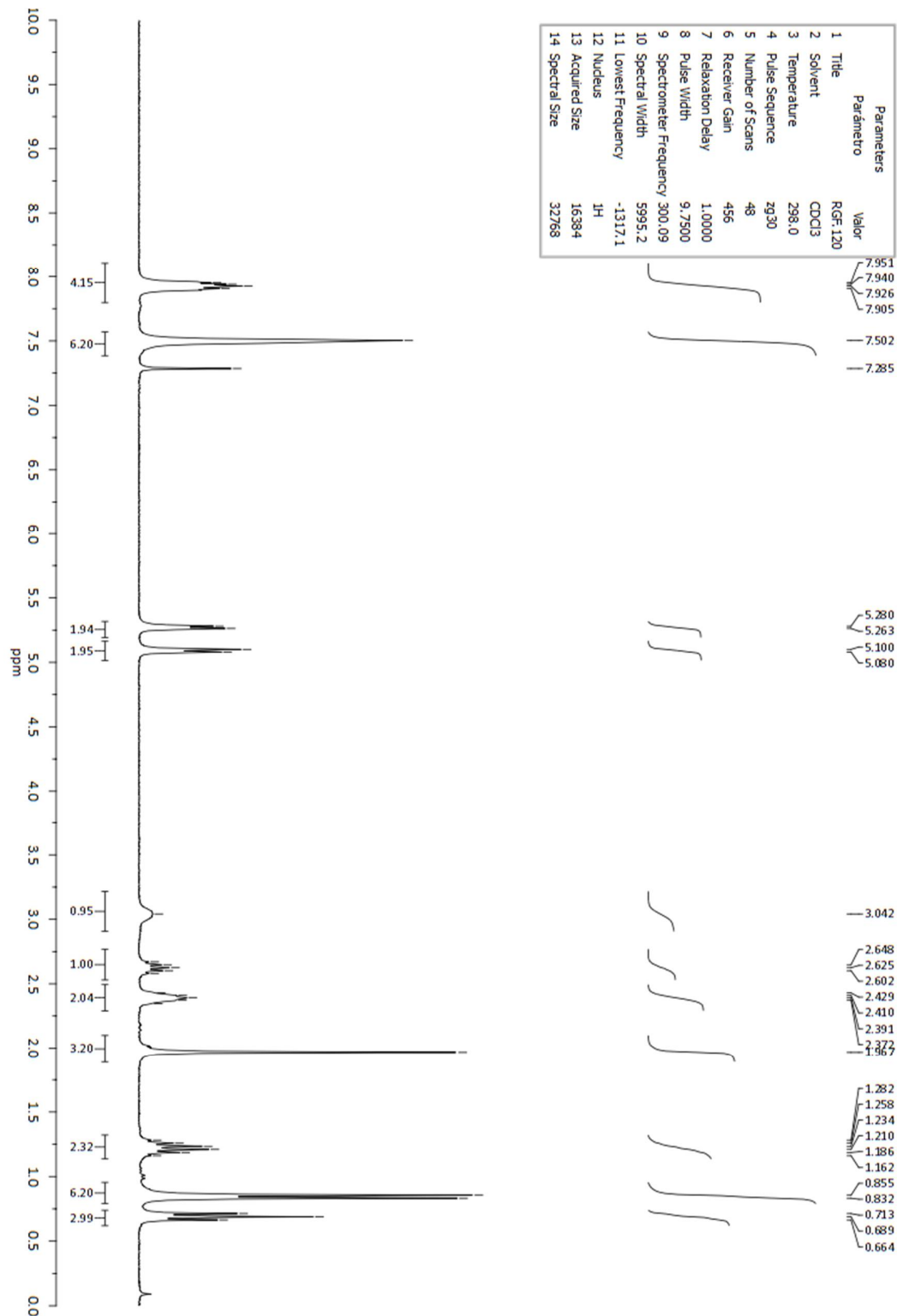


Figure S2: ¹H NMR spectrum (300 MHz, CDCl₃) of compound 2.

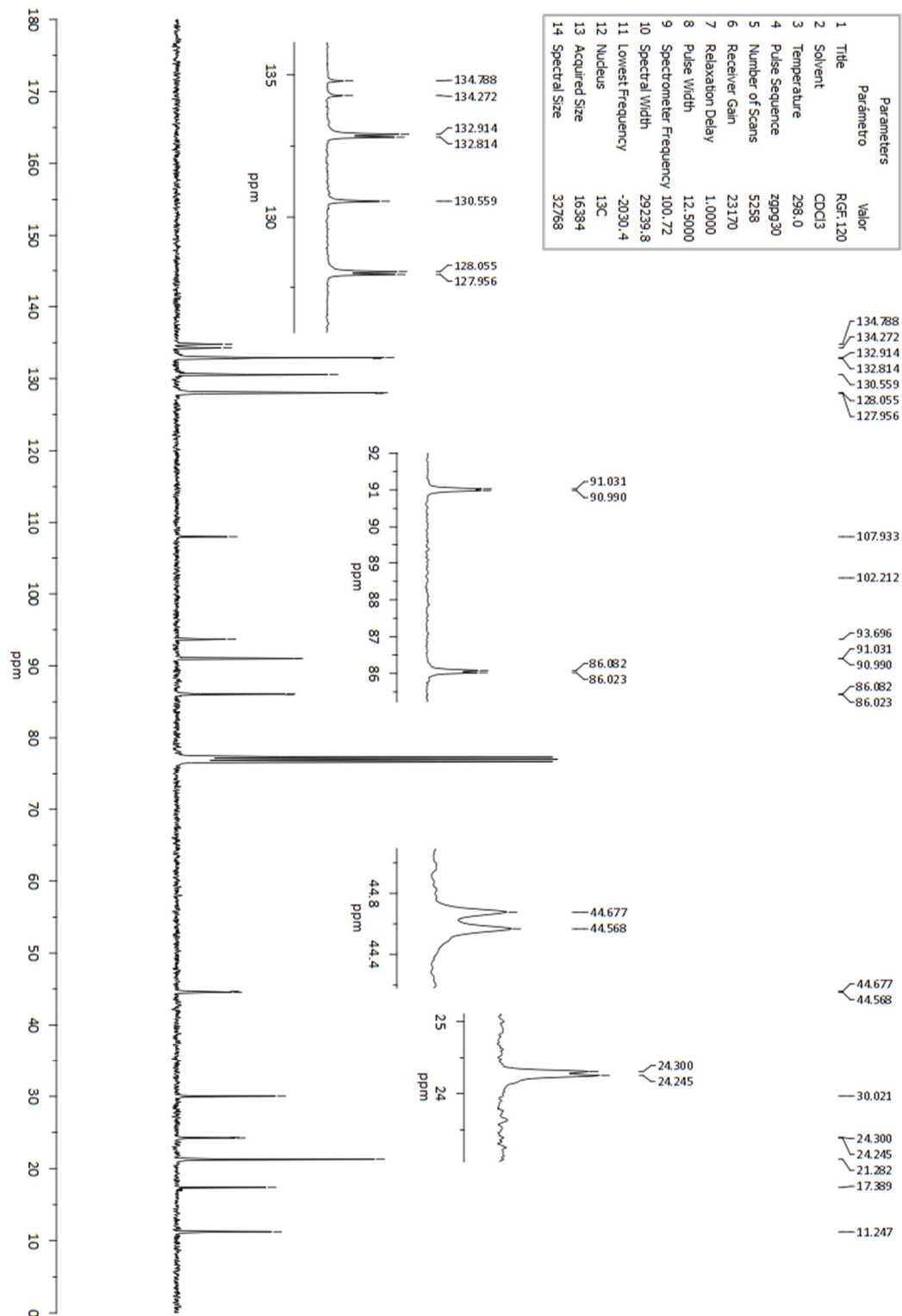


Figure S3: $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum (100 MHz, CDCl_3) of compound **2**.

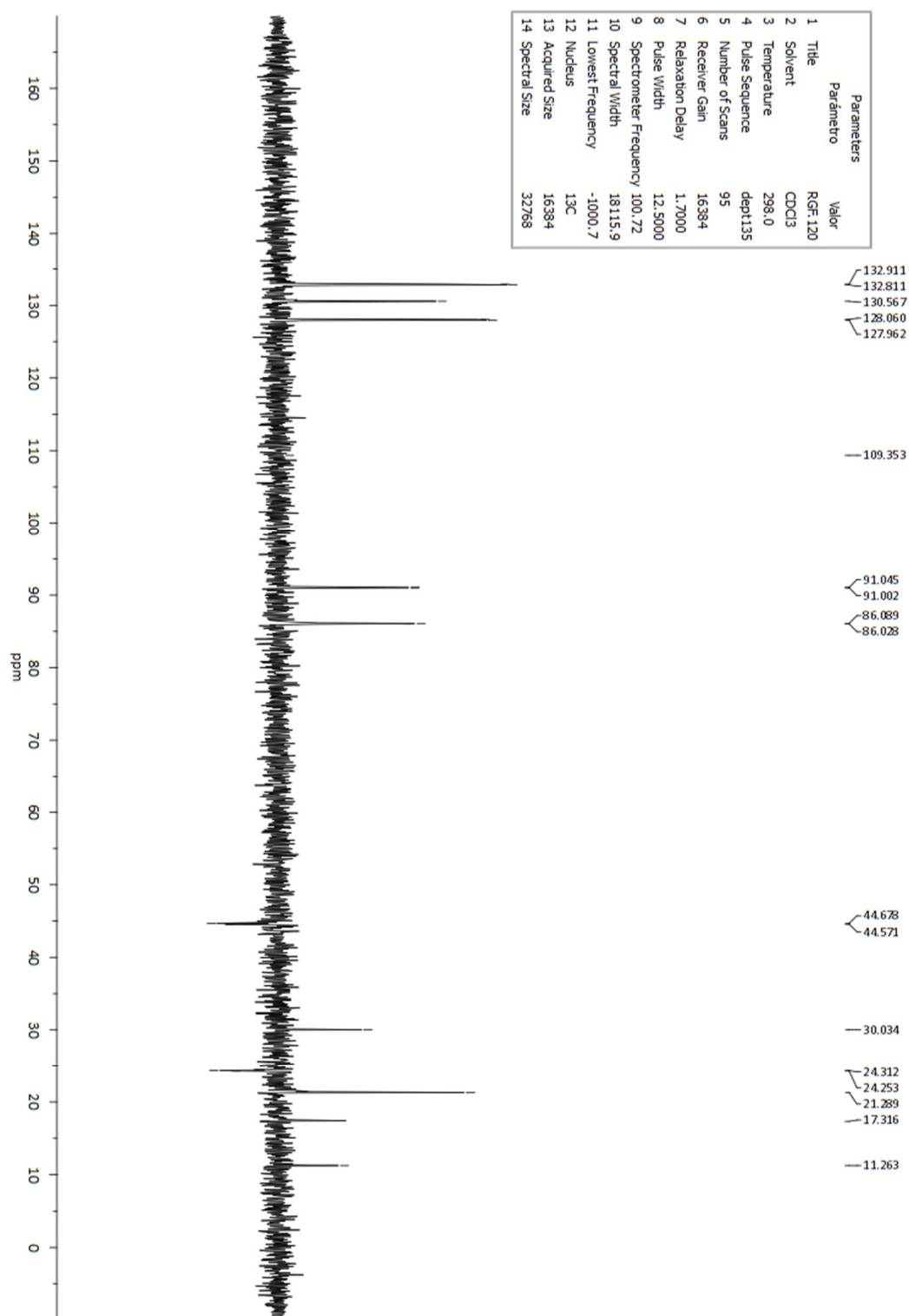


Figure S4: DEPT-135 NMR spectrum (100 MHz, CDCl₃) of compound **2**.

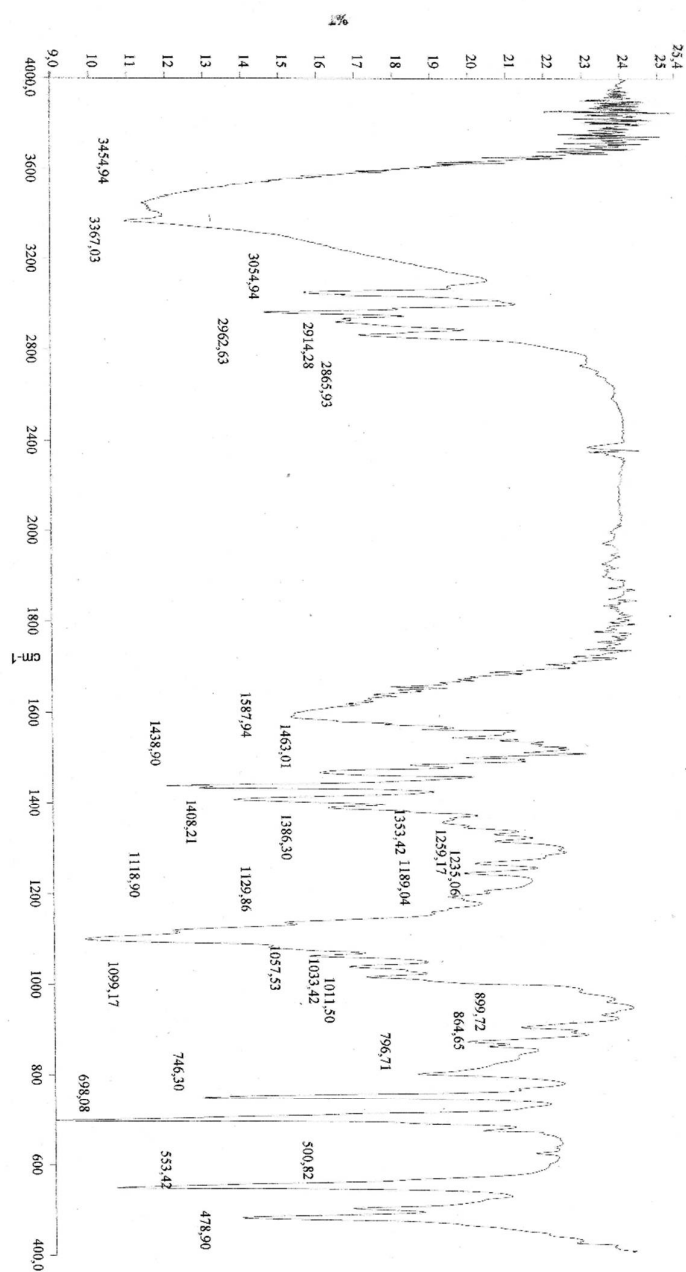


Figure S5: IR spectrum (KBr) of compound 2.

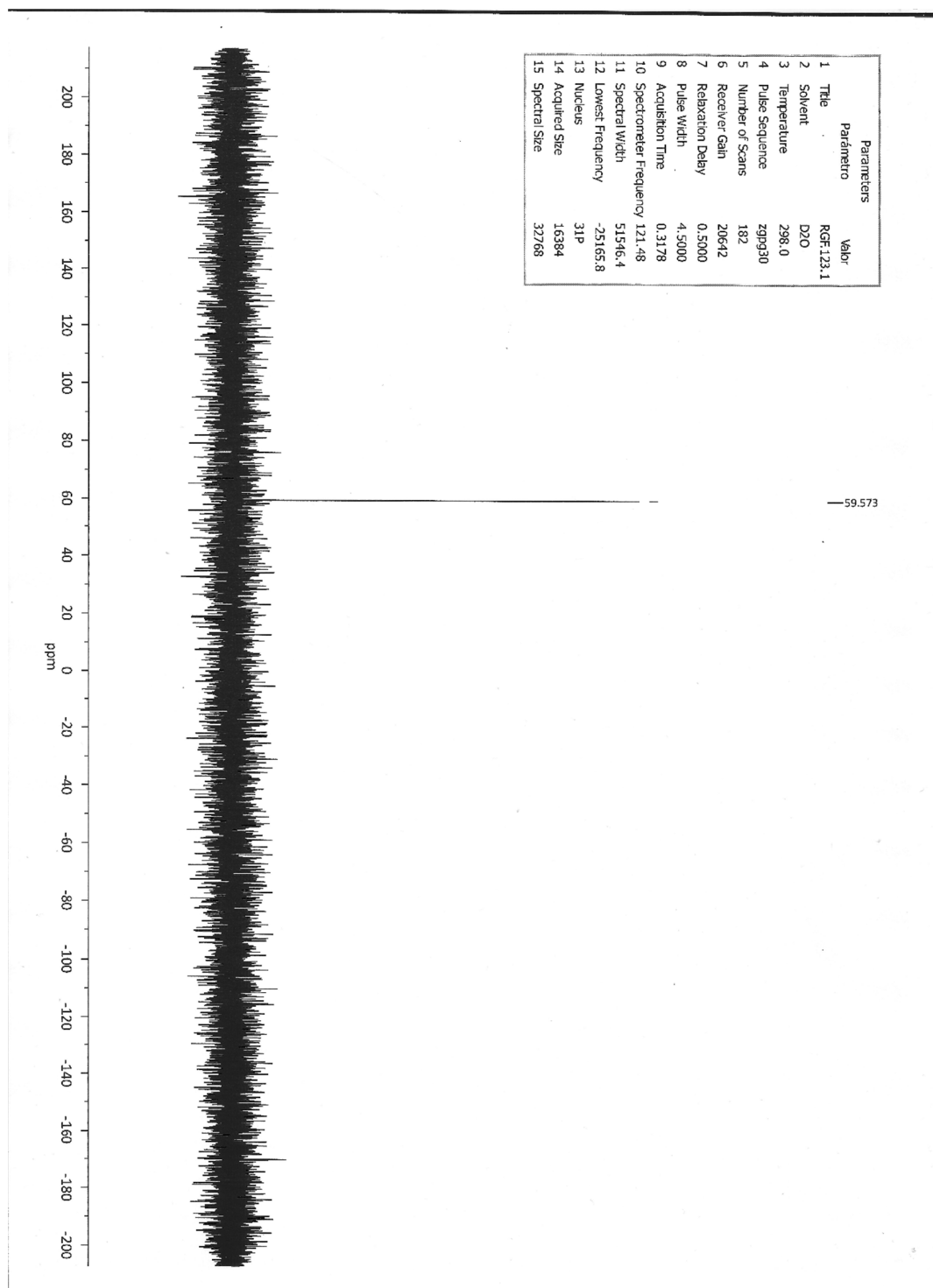


Figure S6: $^{31}\text{P}\{^1\text{H}\}$ NMR spectrum (121 MHz) of **2** after heating in a THF/D₂O mixture at 80 °C for 3 h.