Supporting Information

Dipolar cycloaddition reactions of 1-alkyl-1,2-diphospholes

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Content

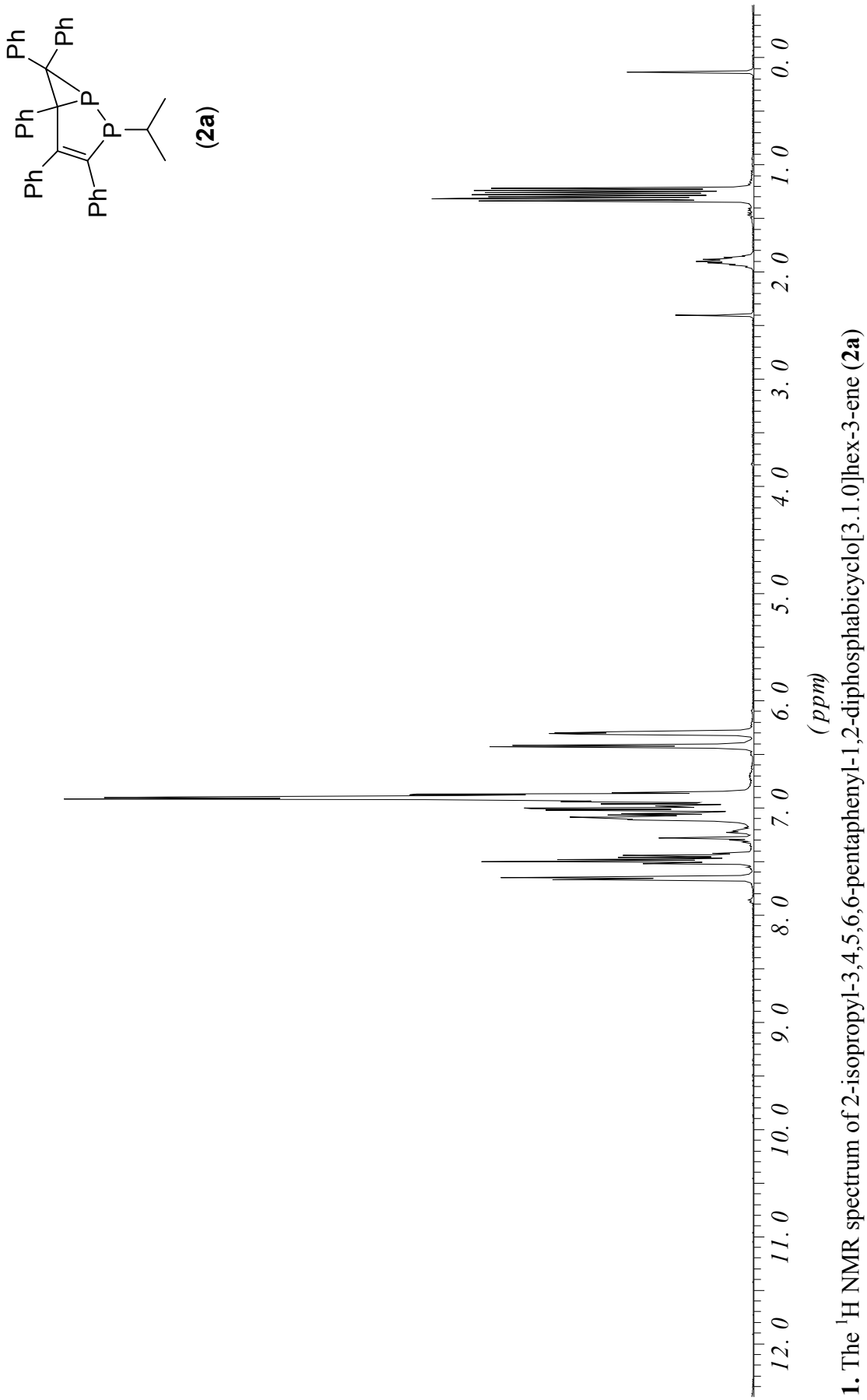


Figure 1. The ^{1}H NMR spectrum of 2-isopropyl-3,4,5,6,6-pentaphenyl-1,2-diphosphabicyclo[3.1.0]hex-3-ene (**2a**)

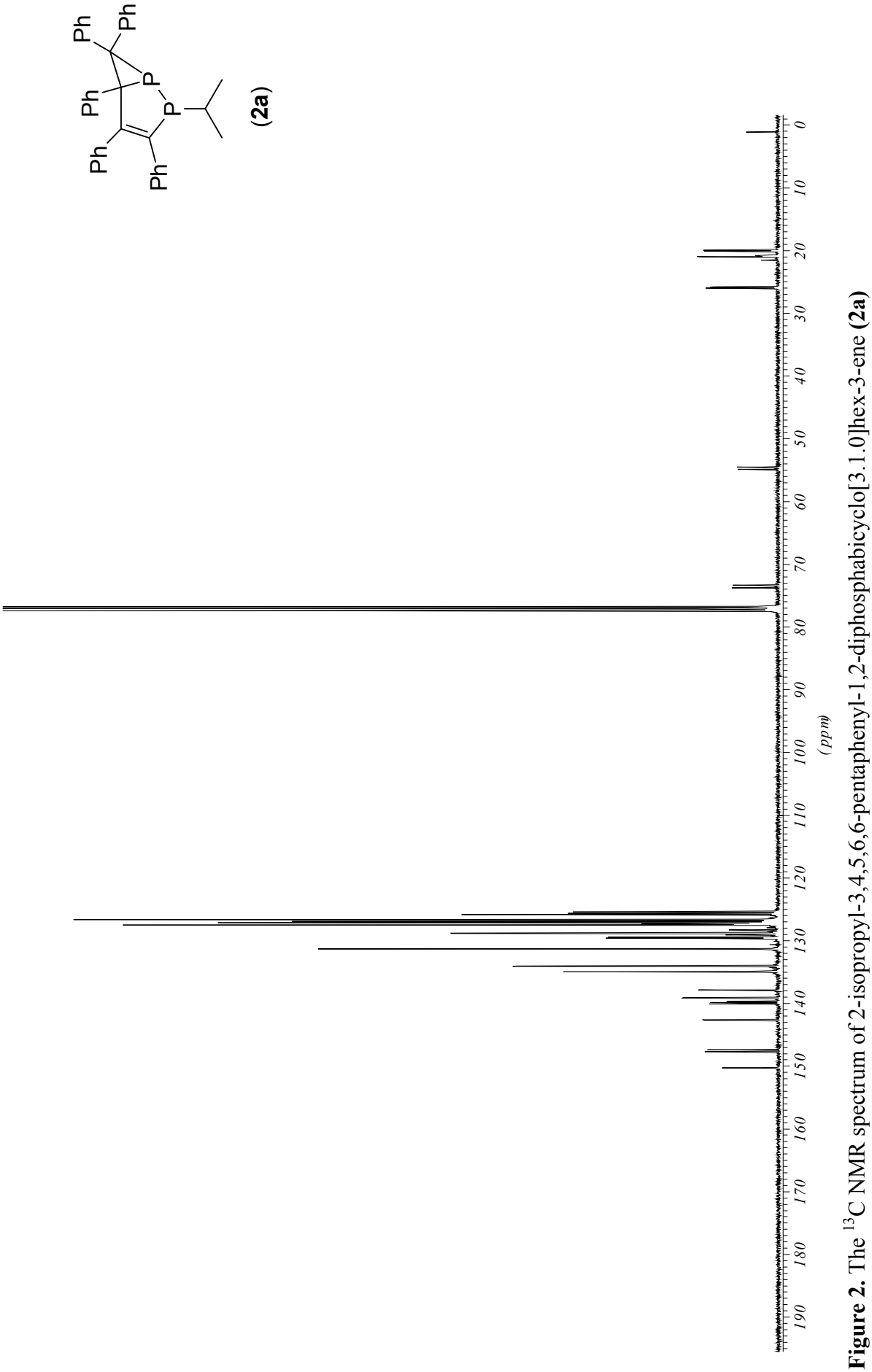
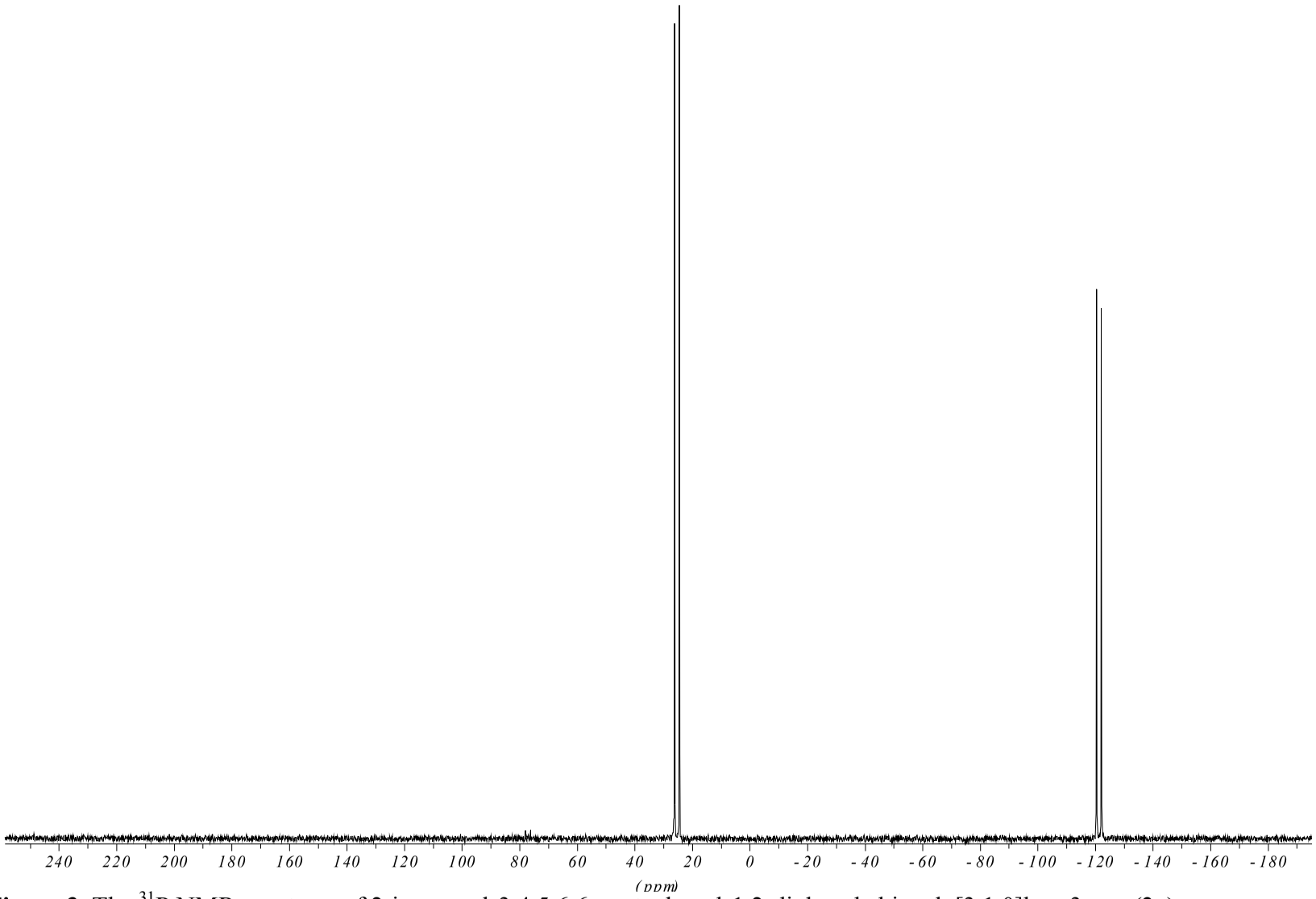
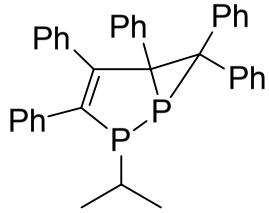


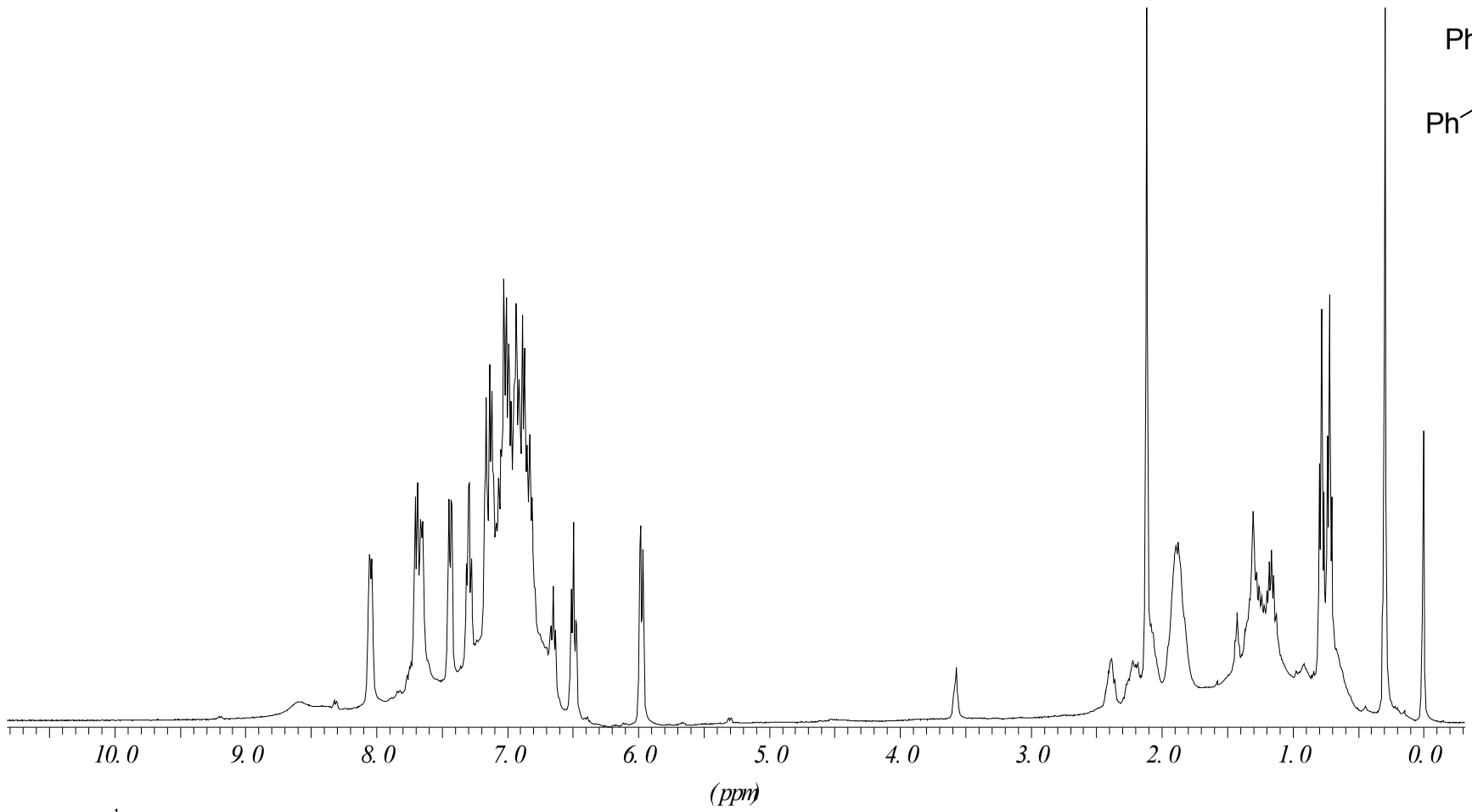
Figure 2. The ^{13}C NMR spectrum of 2-isopropyl-3,4,5,6-pentaphenyl-1,2-diphosphabicyclo[3.1.0]hex-3-ene **(2a)**

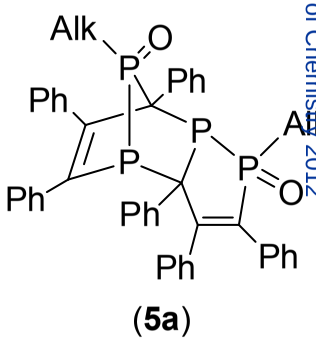




(**2a**)

Figure 3. The ^{31}P NMR spectrum of 2-isopropyl-3,4,5,6,6-pentaphenyl-1,2-diphosphabicyclo[3.1.0]hex-3-ene **(2a)**





(**5a**)

Figure 4. The ^{1}H NMR spectrum of 1,2,3,3a,5,6,7-hexaphenyl-1-iso-propyl-1-oxo-1,4,7,7a-tetraphospha-4,7-(isopropylphosphinideneoxide)-indene **(5a)**

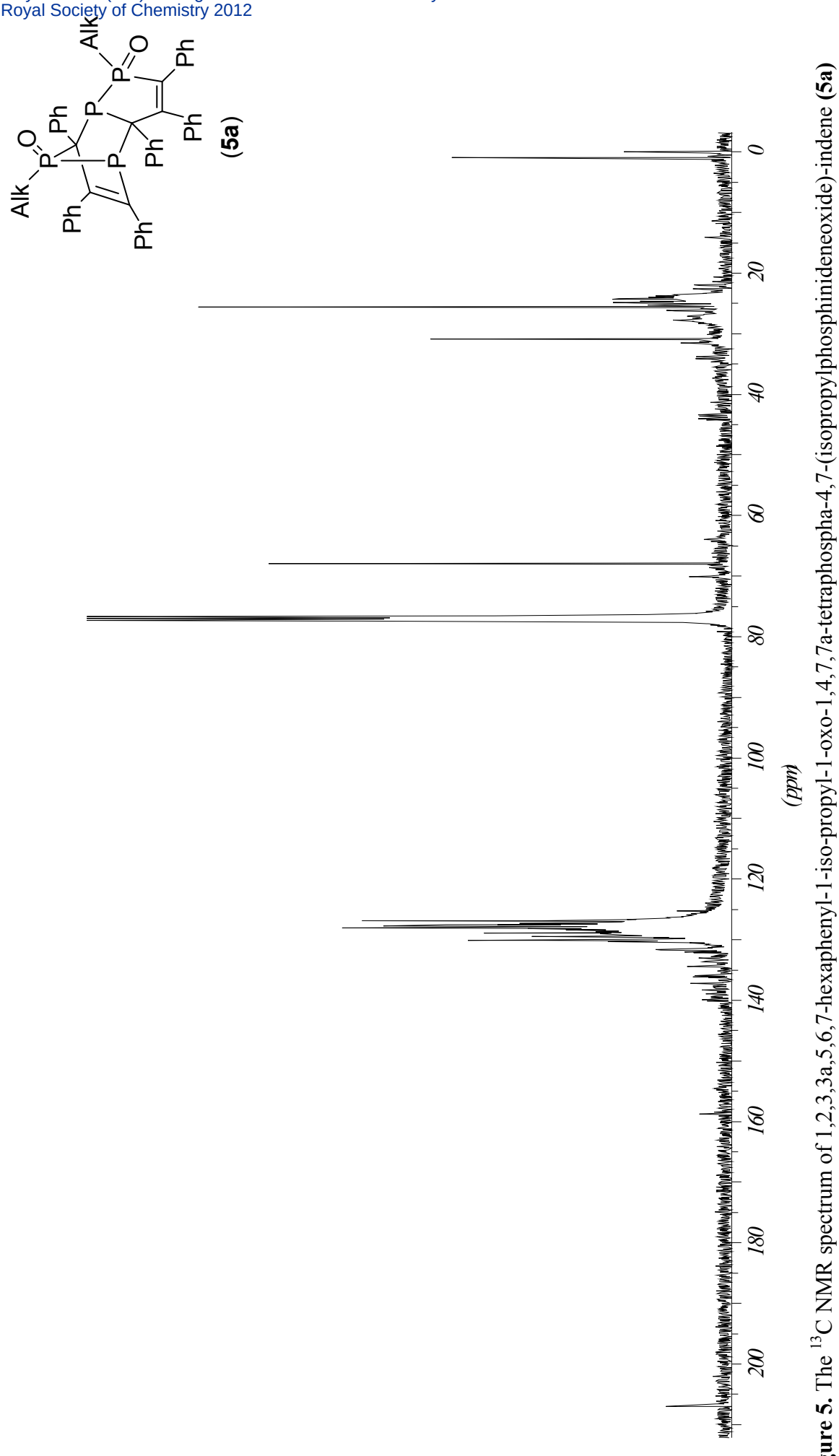


Figure 5. The ^{13}C NMR spectrum of 1,2,3,3a,5,6,7-hexaphenyl-1-iso-propyl-1-oxo-1,4,7,7a-tetraphospha-4,7-(isopropylphosphinideneoxide)-indene **(5a)**

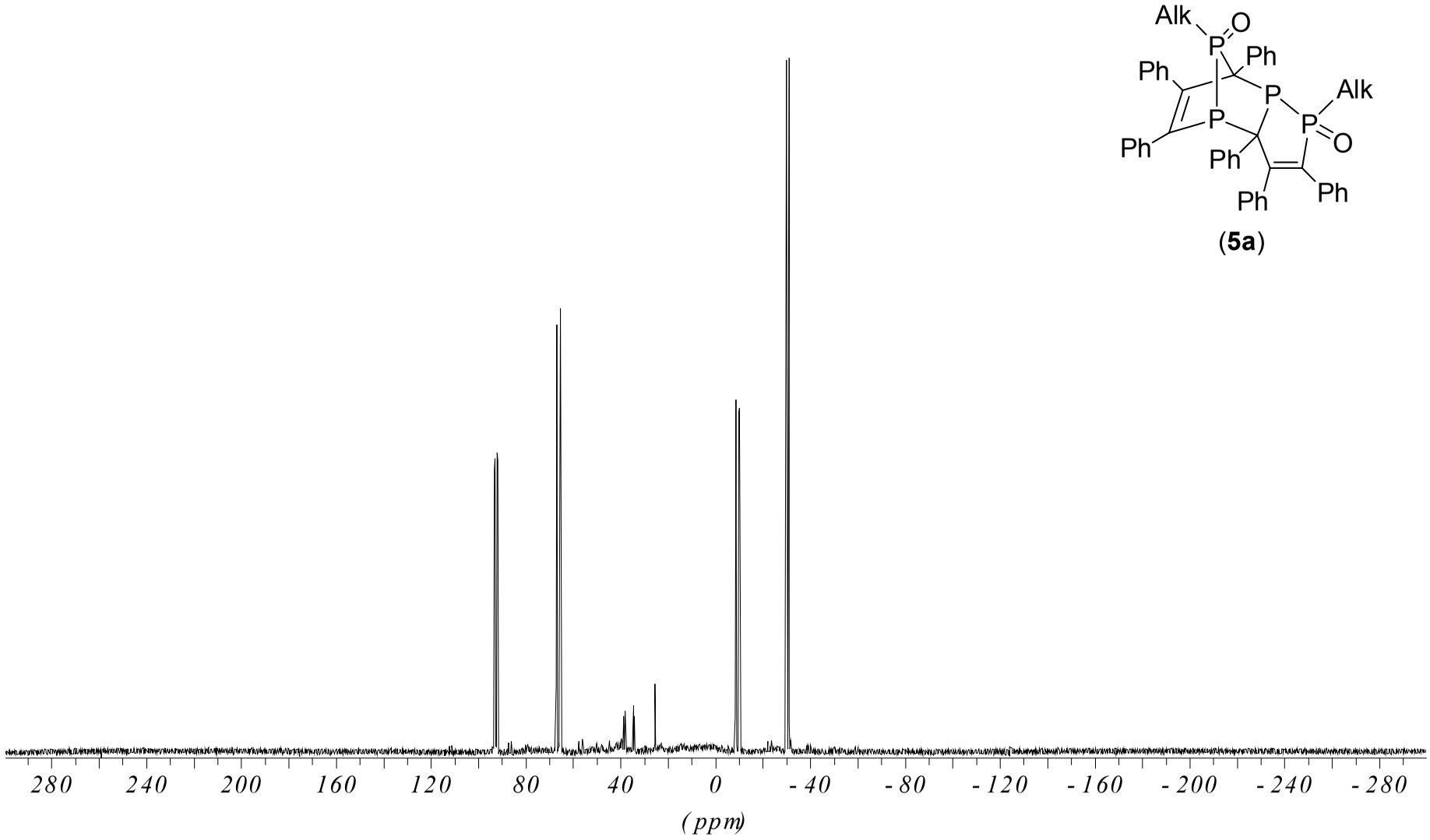


Figure 6. The ^{31}P NMR spectrum of 1,2,3,3a,5,6,7-hexaphenyl-1-iso-propyl-1-oxo-1,4,7,7a-tetraphospha-4,7-(isopropylphosphinideneoxide)-indene **(5a)**

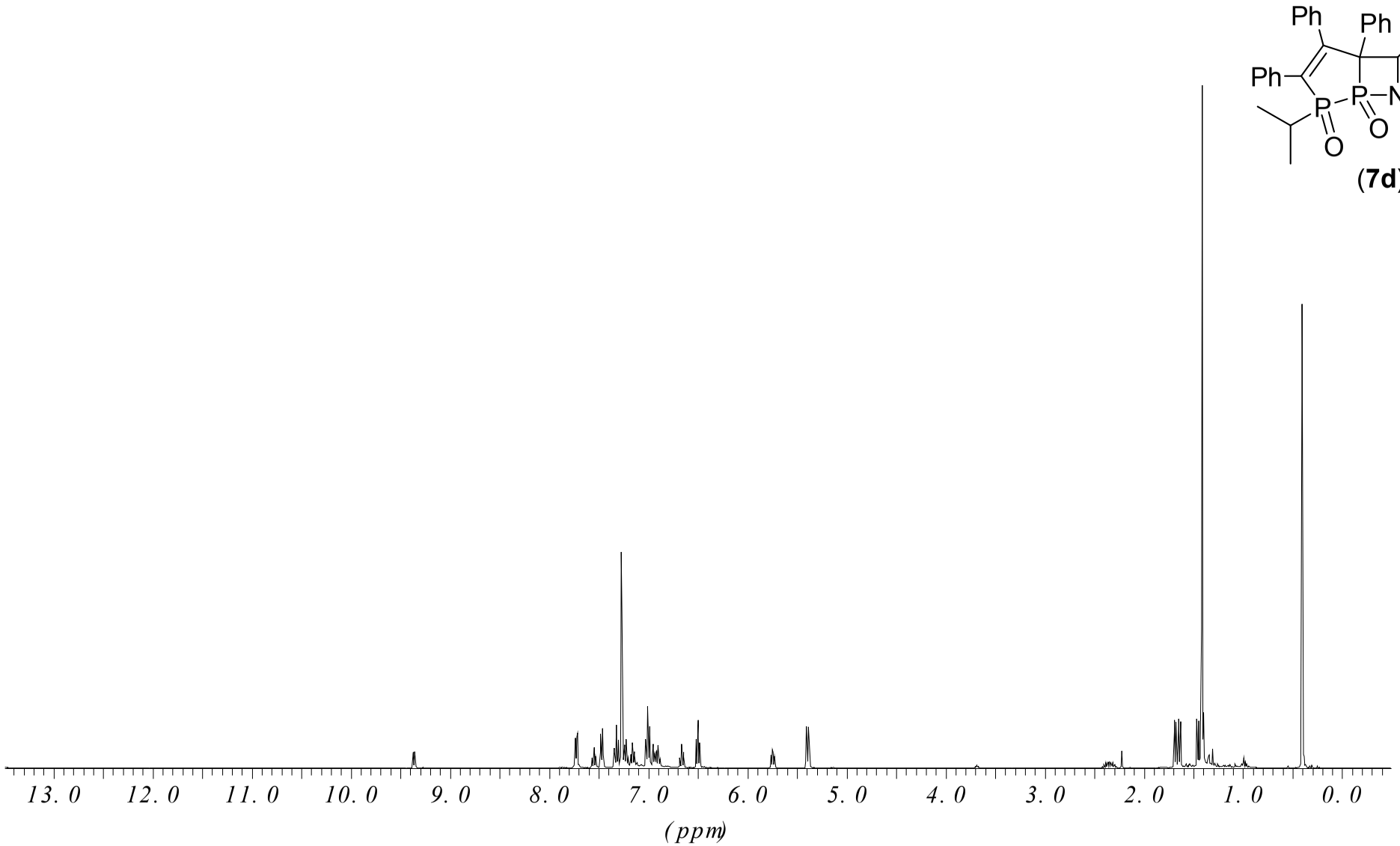


Figure 7. The ^{1}H NMR spectrum of 1-isopropyl-2,3,4,5-tetraphenyl-6-*tert*-butyl-1,7-dioxo-6-azo-1,7-diphospha-bicyclo[3.2.0]hept-2-ene **(7d)**

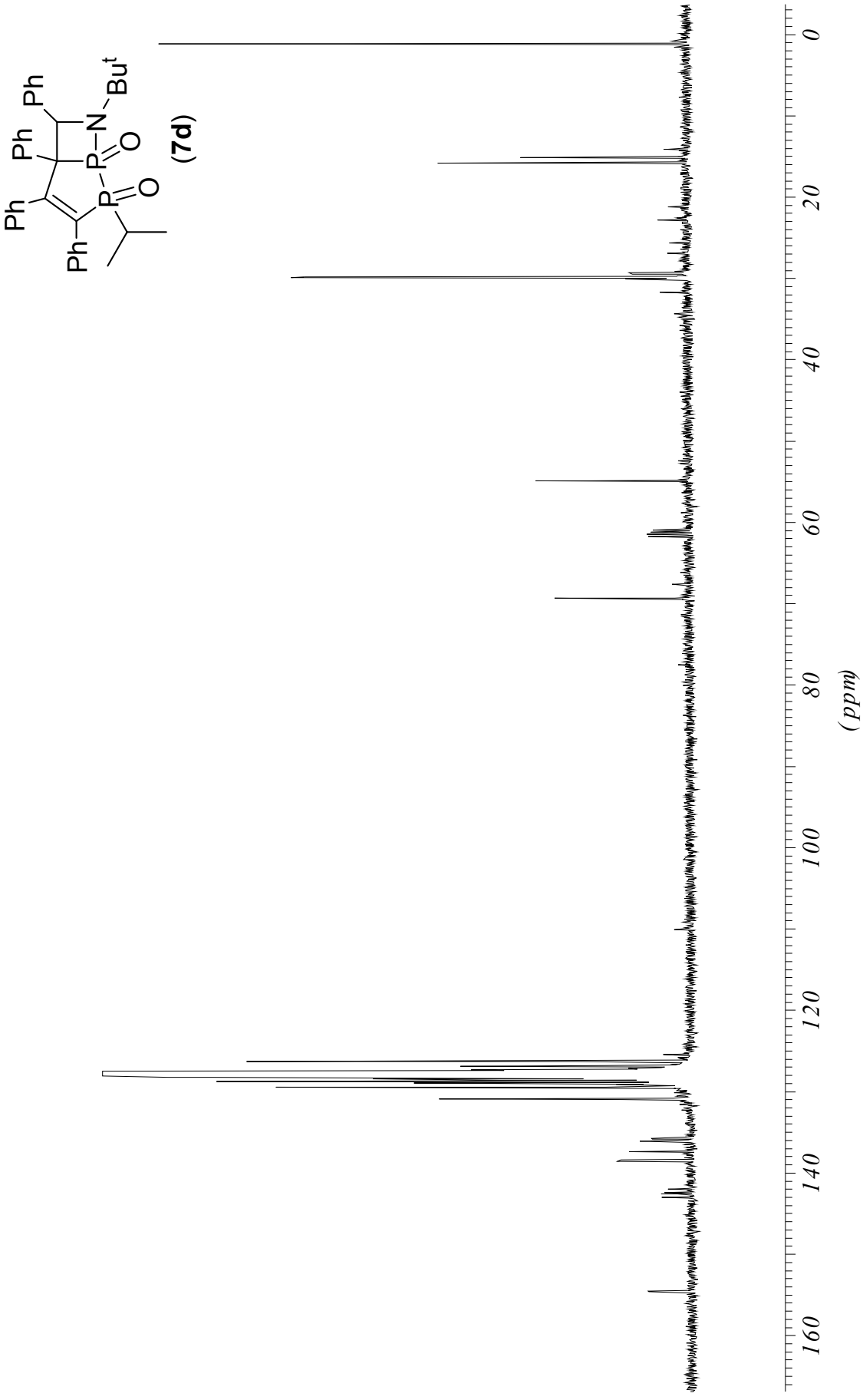


Figure 8. The ^{13}C NMR spectrum of 1-isopropyl-2,3,4,5-tetraphenyl-6-*tert*-butyl-1,7-dioxo-6-azo-1,7-diphospha-bicyclo[3.2.0]hept-2-ene **(7d)**

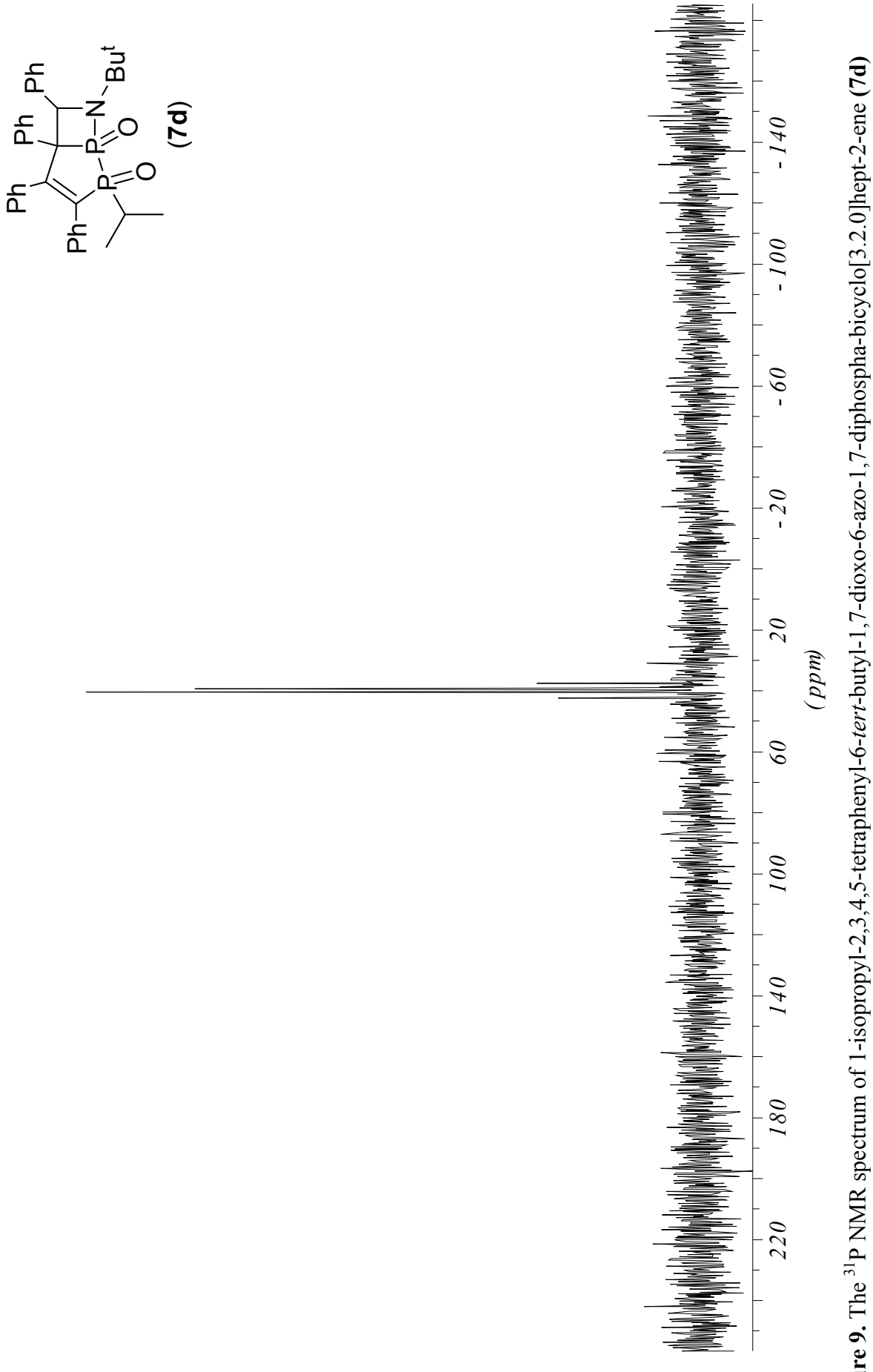


Figure 9. The ^{31}P NMR spectrum of 1-isopropyl-2,3,4,5-tetraphenyl-6-*tert*-butyl-1,7-dioxo-6-azo-1,7-diphospha-bicyclo[3.2.0]hept-2-ene **(7d)**