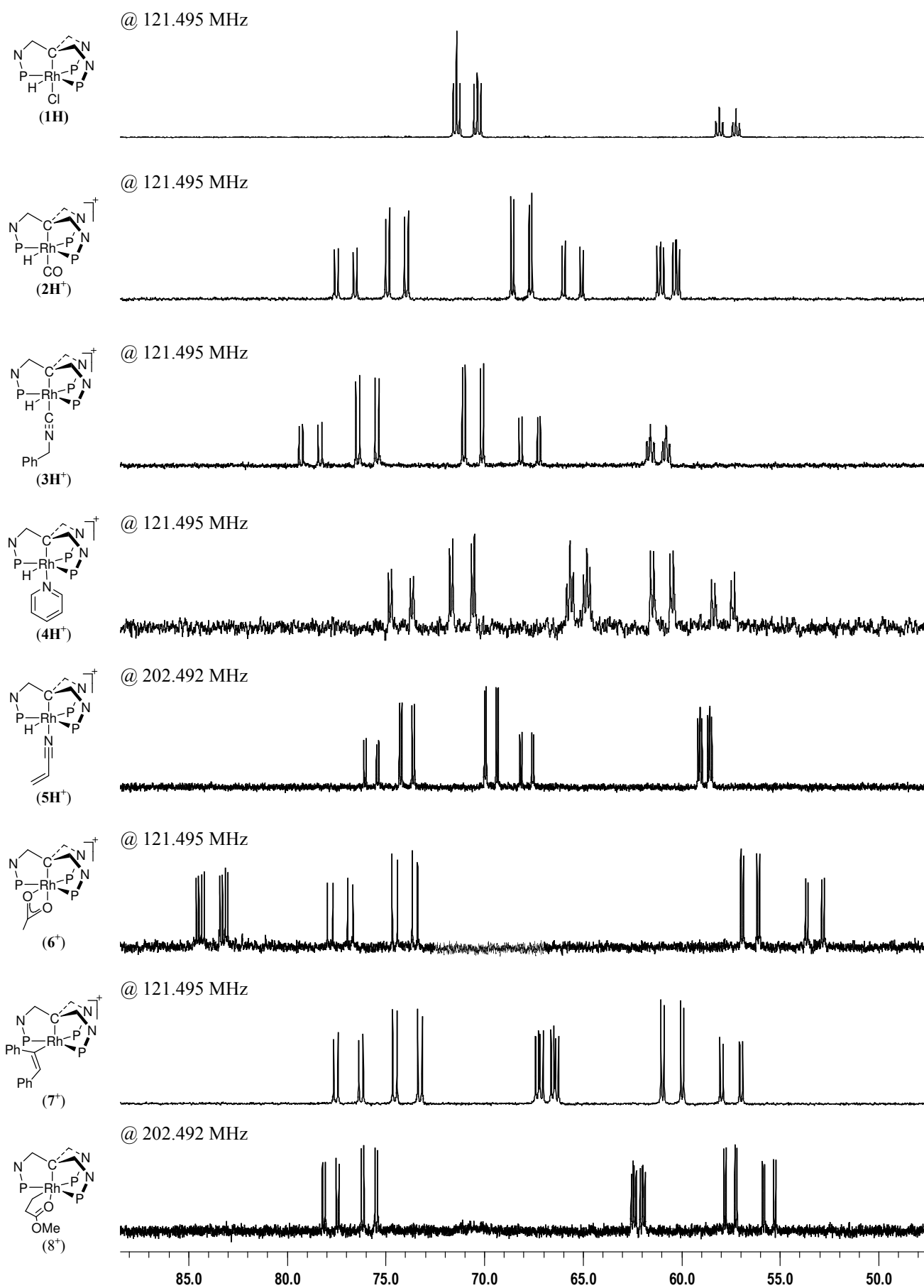


Synthesis of the novel hydride derivative $\text{RhHCl}(\text{TIMP}_3)$ ($\text{HTIMP}_3 =$ tris[1-(diphenylphosphino)-3-methyl-1*H*-indol-2-yl]methane) and investigation of its reactivity

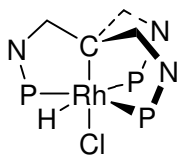
Marco Ciclosi, Francisco Estevan, Pascual Lahuerta,* Vincenzo Passarelli,* Julia Pérez-Prieto,* Mercedes Sanaú.

Electronic Supplementary Information: $^{31}\text{P}\{^1\text{H}\}$ NMR spectra and selected regions of ^1H - ^{13}C HSQC NMR spectra of compounds **1H**, **2H⁺**-**5H⁺**, **6⁺**-**8⁺**.

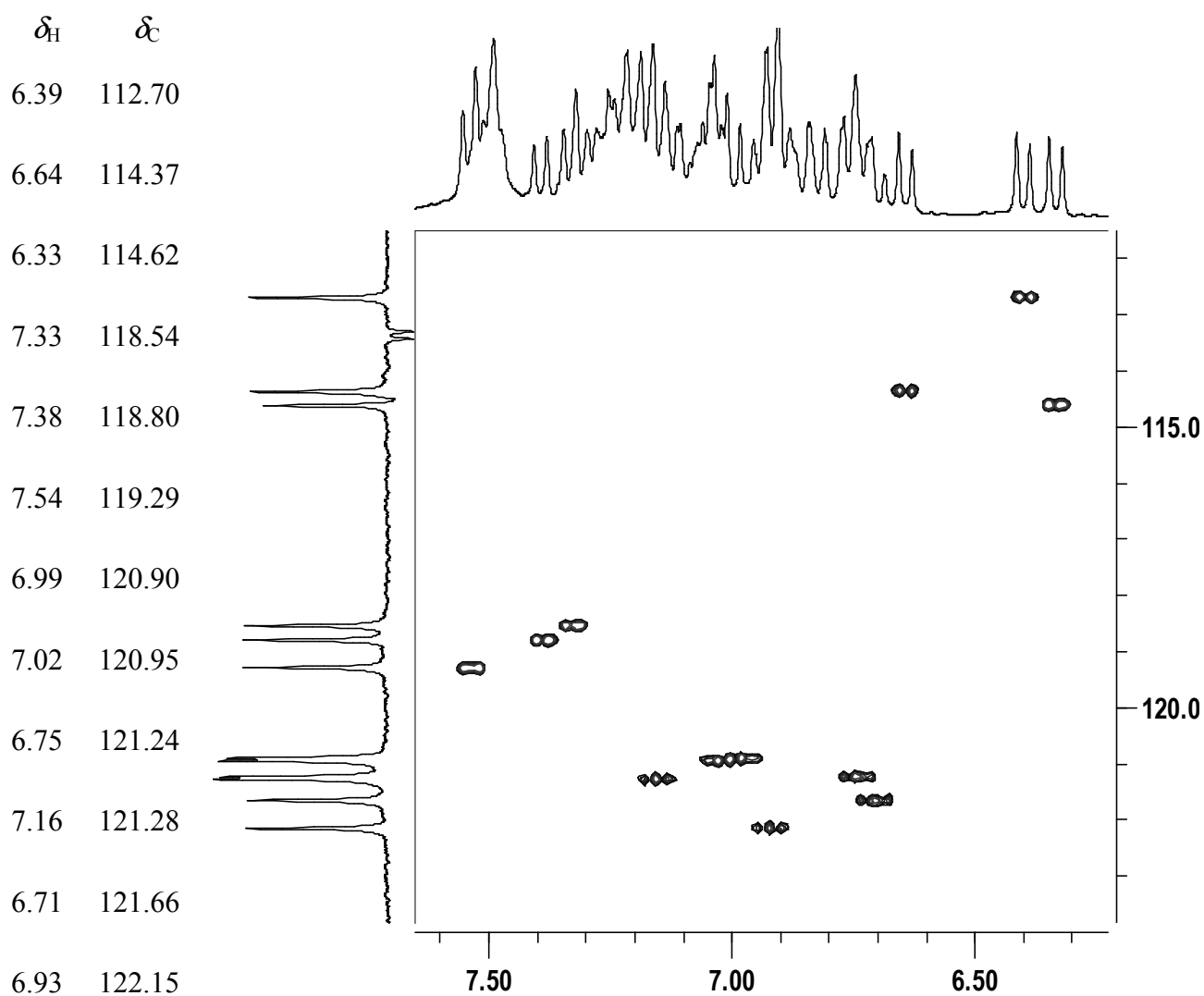
$^{31}\text{P}\{^1\text{H}\}$ NMR spectra of **1H**, **2H⁺**-**5H⁺**, **6⁺**-**8⁺**.



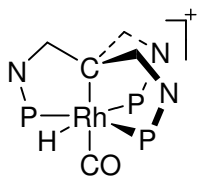
Selected region of the ^1H - ^{13}C HSQC NMR spectrum of **1H** showing the ^1H - ^{13}C correlation peaks of the indolyl CH moieties.



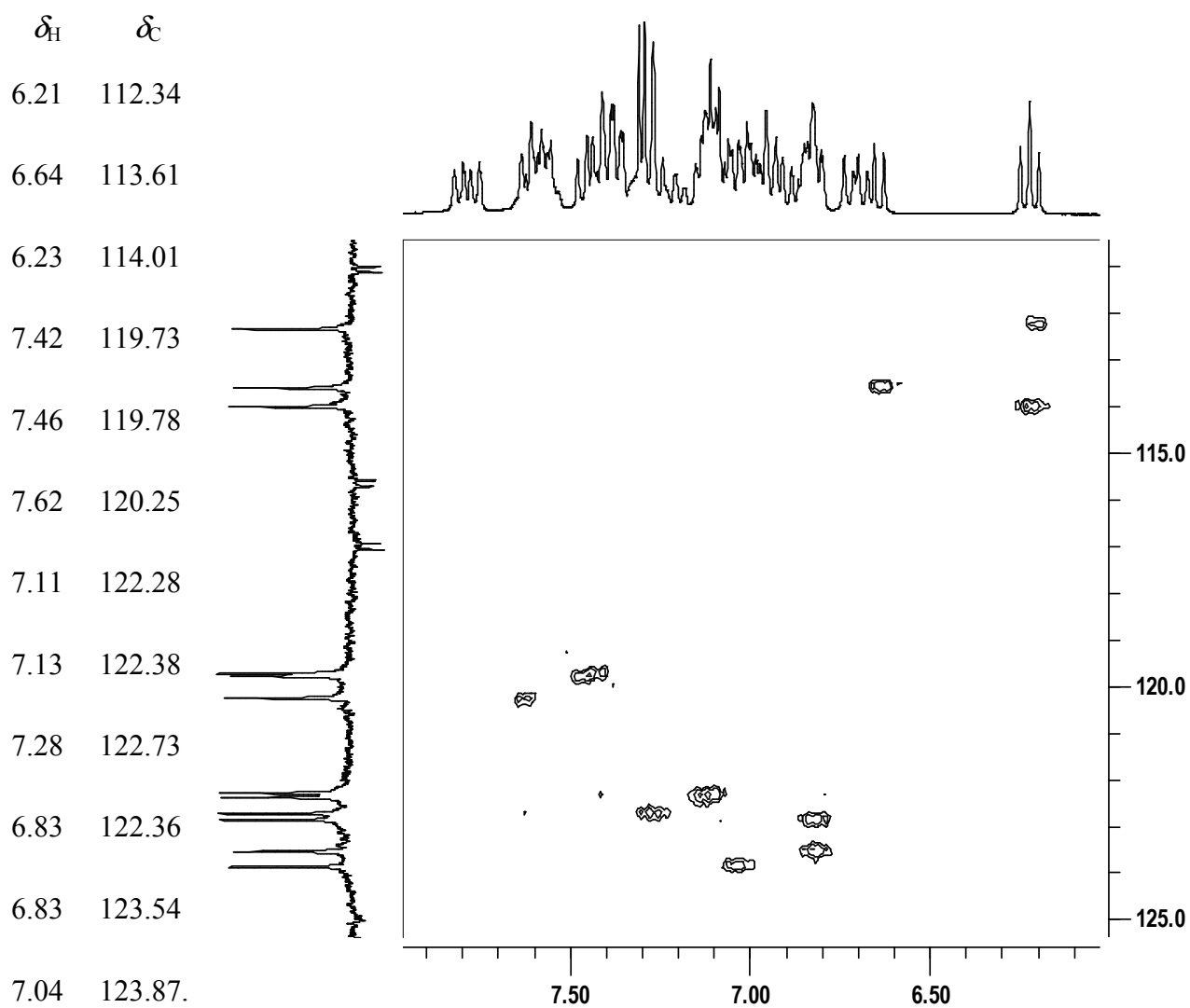
(**1H**)



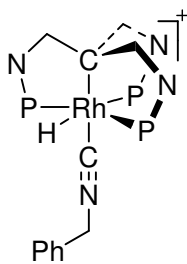
Selected region of the ^1H - ^{13}C HSQC NMR spectrum of 2H^+ showing the ^1H - ^{13}C correlation peaks of the indolyl CH moieties.



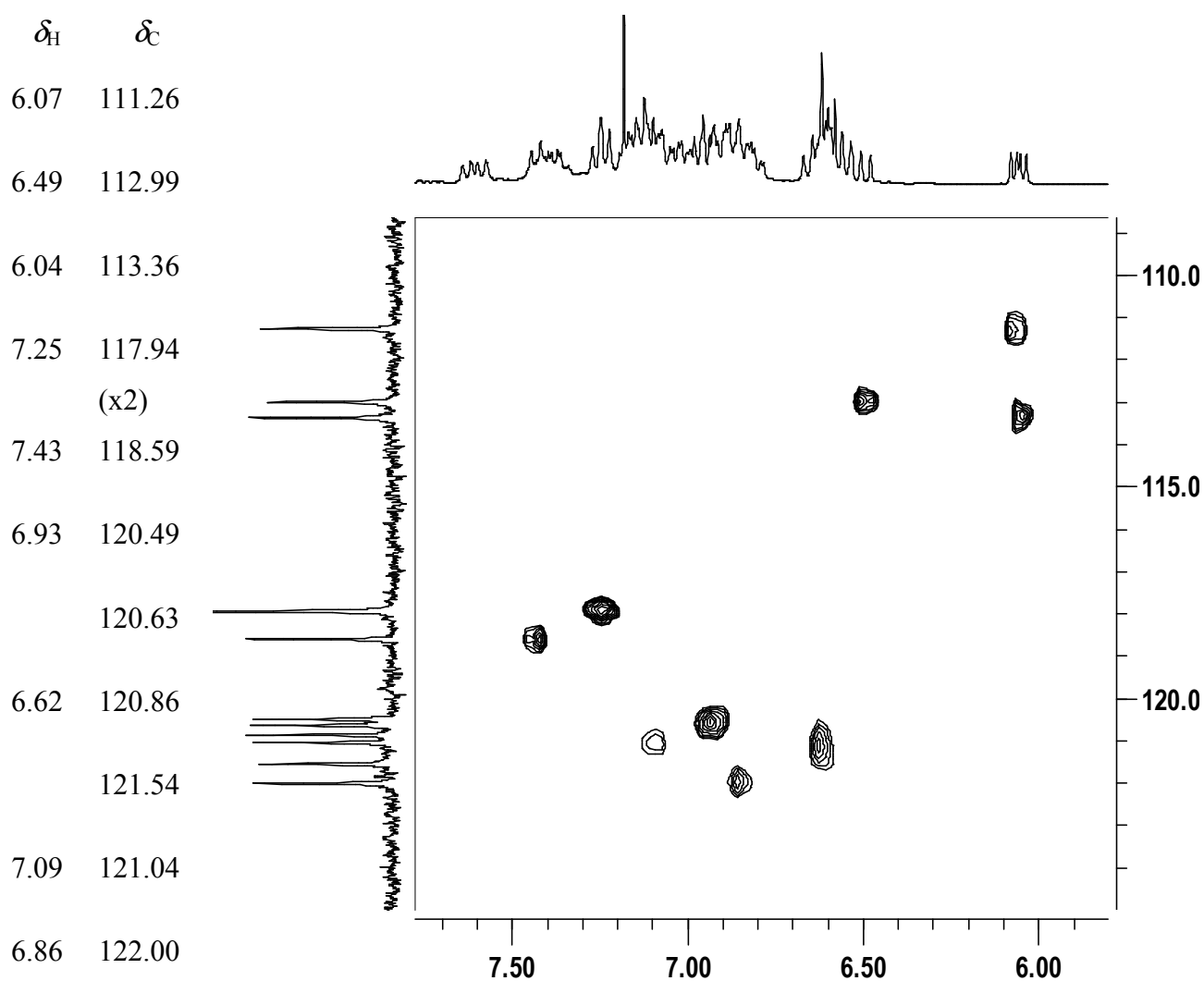
(2H^+)



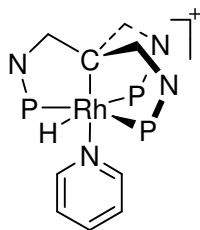
Selected region of the ^1H - ^{13}C HSQC NMR spectrum of 3H^+
 showing the ^1H - ^{13}C correlation peaks of the indolyl CH moieties.



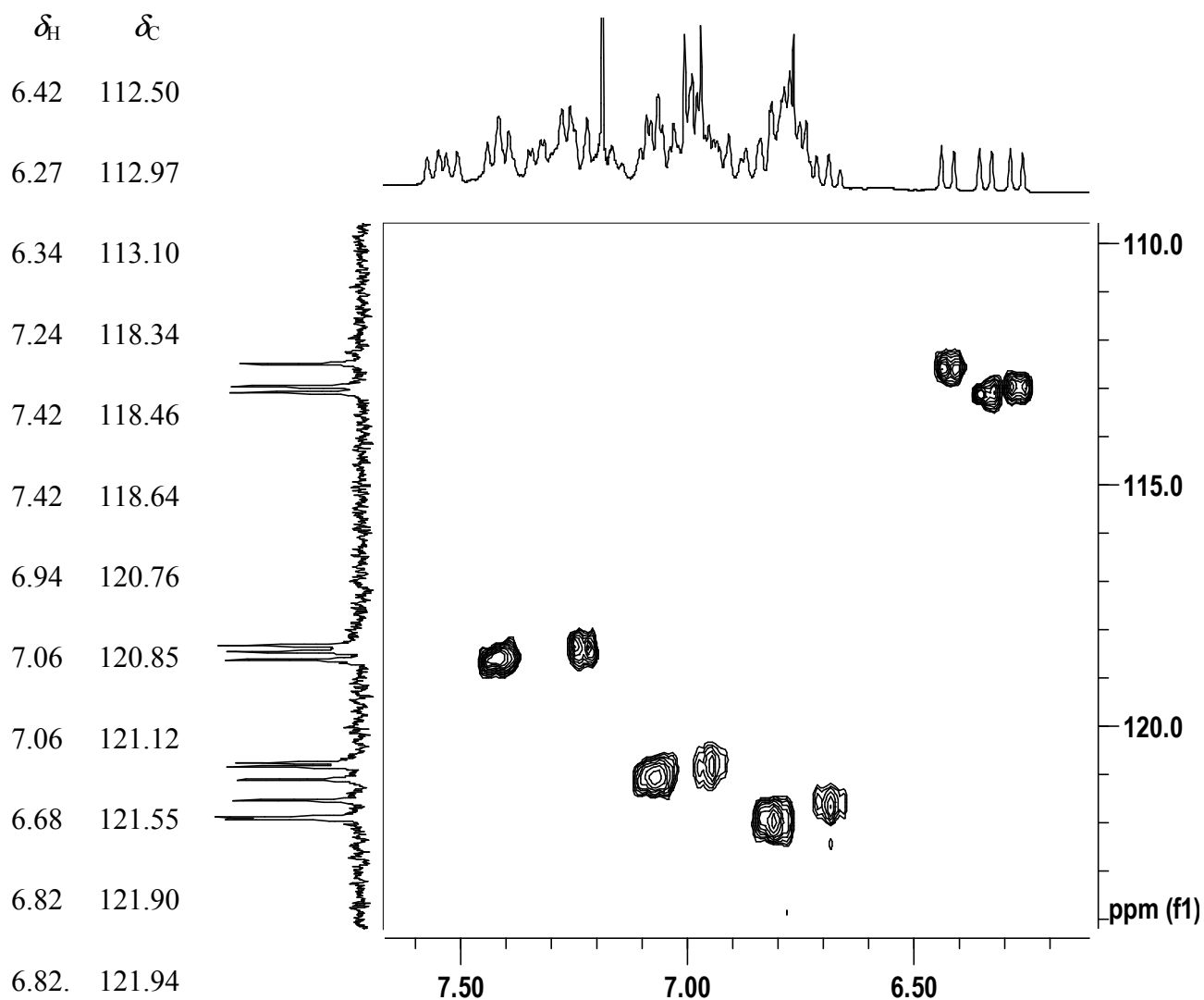
(3H^+)



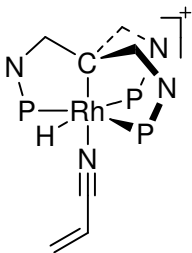
Selected region of the ^1H - ^{13}C HSQC NMR spectrum of 4H^+ showing the ^1H - ^{13}C correlation peaks of the indolyl CH moieties.



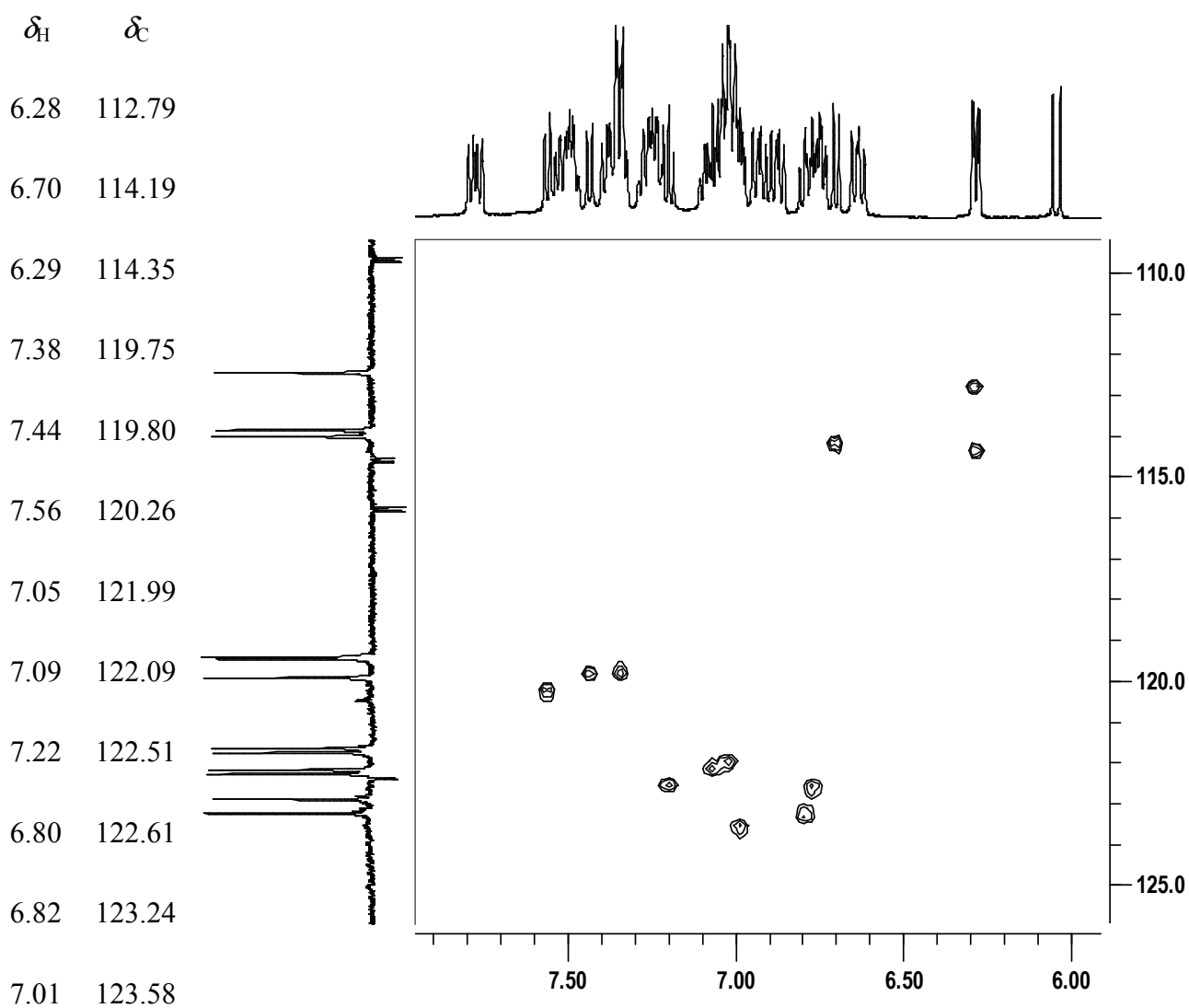
(4H^+)



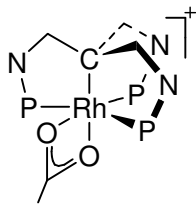
Selected region of the ^1H - ^{13}C HSQC NMR spectrum of 5H^+ showing the ^1H - ^{13}C correlation peaks of the indolyl CH moieties.



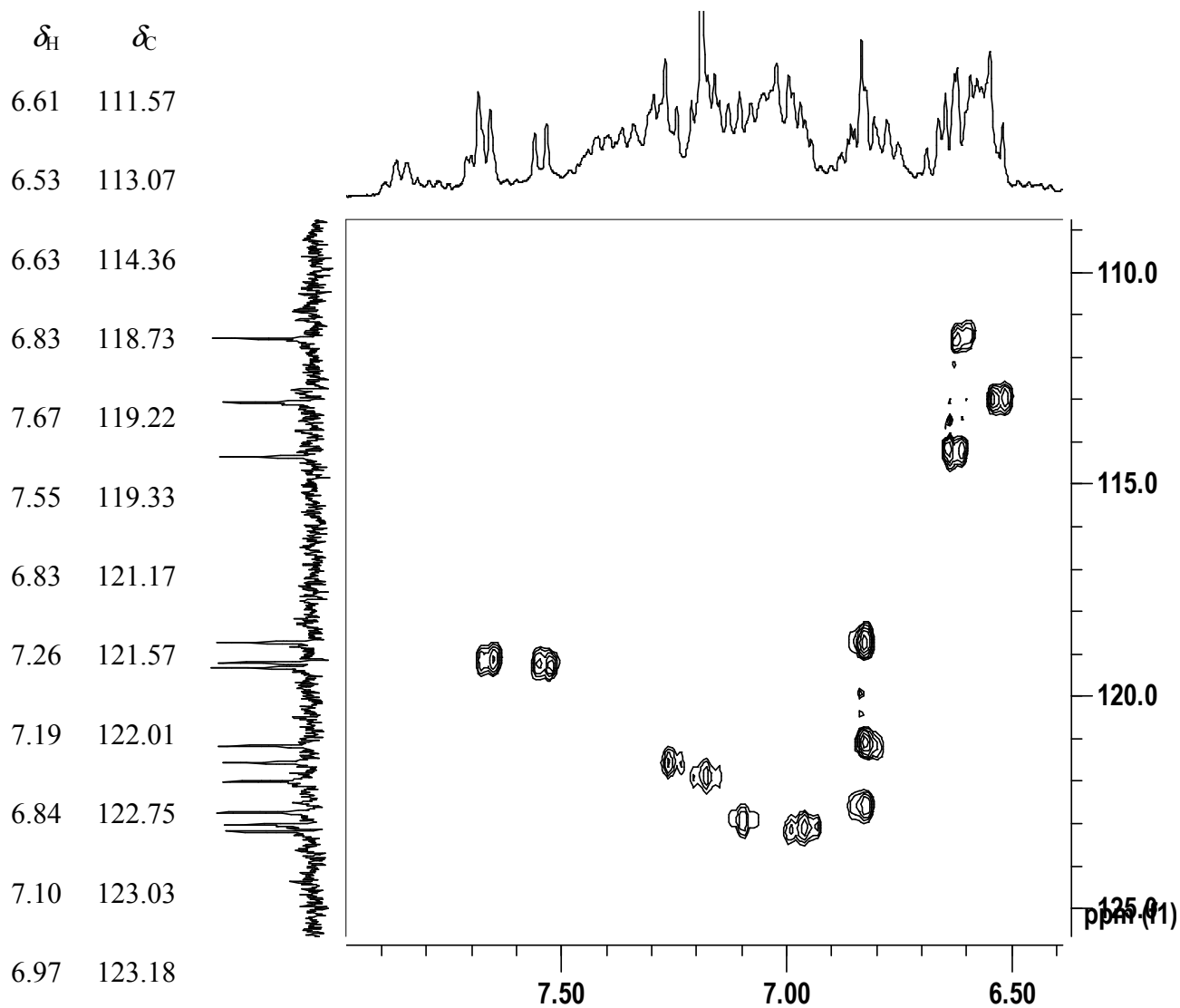
(5H^+)



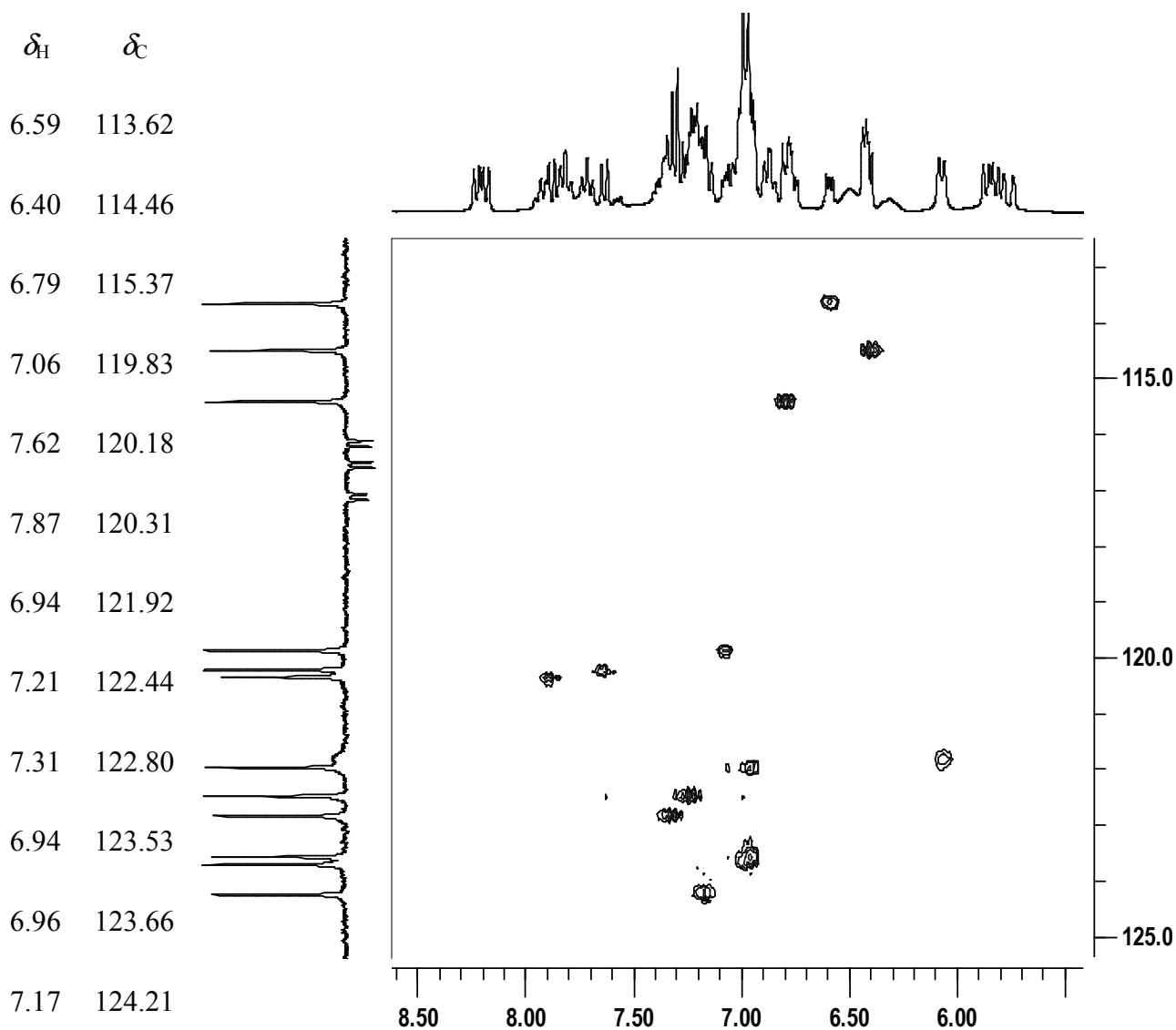
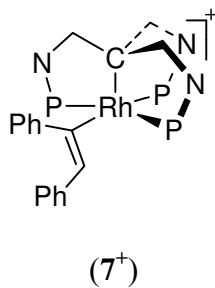
Selected region of the ^1H - ^{13}C HSQC NMR spectrum of 6^+ showing the ^1H - ^{13}C correlation peaks of the indolyl CH moieties.



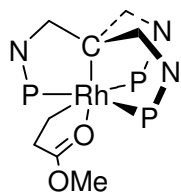
(6^+)



Selected region of the ^1H - ^{13}C HSQC NMR spectrum of 7^+ showing the ^1H - ^{13}C correlation peaks of the indolyl CH moieties.



Selected region of the ^1H - ^{13}C HSQC NMR spectrum of 8^+ showing the ^1H - ^{13}C correlation peaks of the indolyl CH moieties.



(8^+)

| δ_{H} | δ_{C} |
|---------------------|---------------------|
| 6.21 | 114.16 |
| 6.91 | 114.72 |
| 6.87 | 115.61 |
| 7.34 | 119.34 |
| 7.63 | 119.92 |
| 7.68 | 120.24 |
| 7.04 | 121.84 |
| 6.79 | 122.43 |
| 7.31 | 122.43 |
| 7.30 | 122.67 |
| 7.16 | 123.02 |
| 7.10 | 123.15 |

